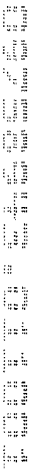


	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
0	0	1	4	9	16	25	36	49	64	81	100	121	144	169	196	225	256	289	324	361	400	441	484	529	576	625	676	729	784	841	900	961	1024	1089	1156	1225	1296	1369	1444	1521	1600	1681	1764	1849	1936	2025	2116	2209	2304	2401	2500	2601	2704	2809	2916	3025	3136	3249	3364	3481	3600	3721	3844	3969	4096	4225	4356	4489	4624	4761	4900	5041	5184	5329	5476	5625	5776	5929	6084	6241	6400	6561	6724	6889	7056	7225	7396	7569	7744	7921	8100	8281	8464	8649	8836	9025	9216	9409	9604	9801	10000

[illegible]

Central Servers 1000

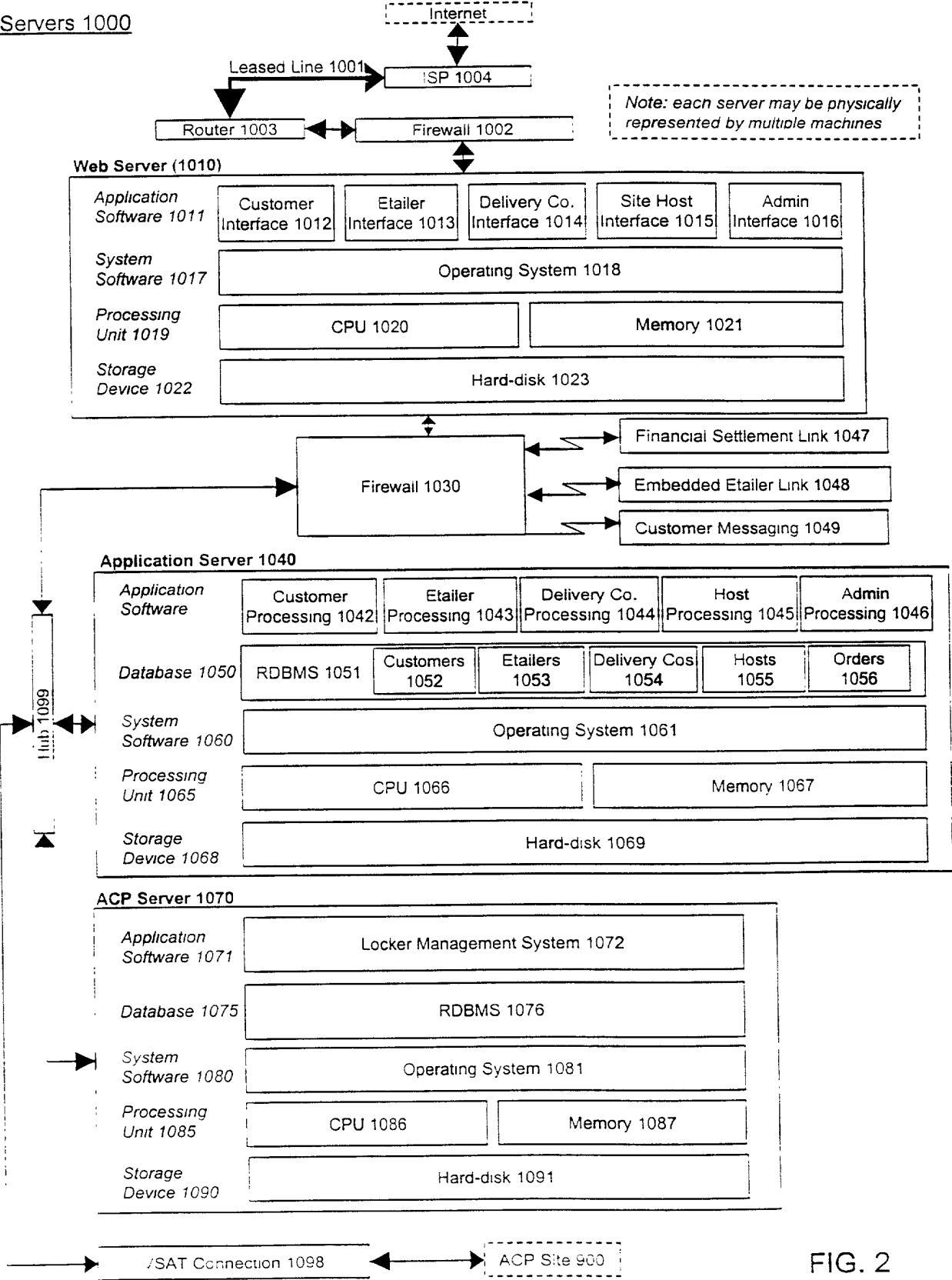


FIG. 2

Etailer 300

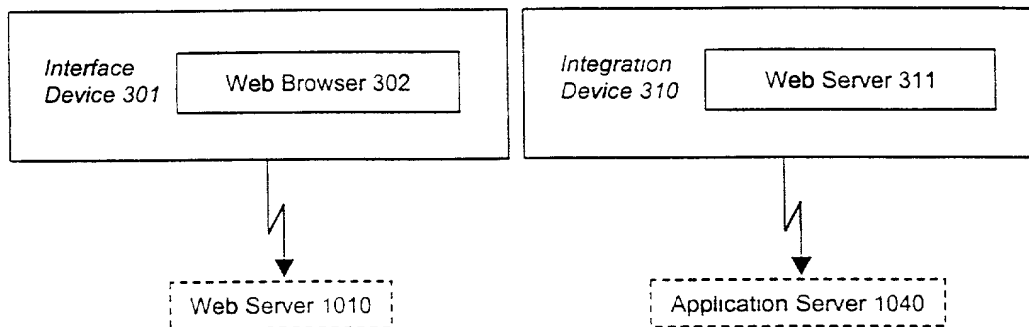


FIG. 3

Customer 1200

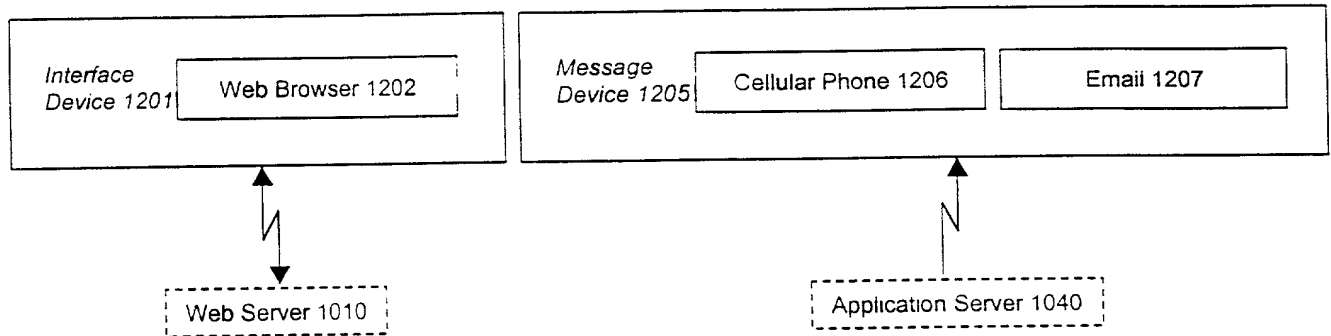


FIG. 4

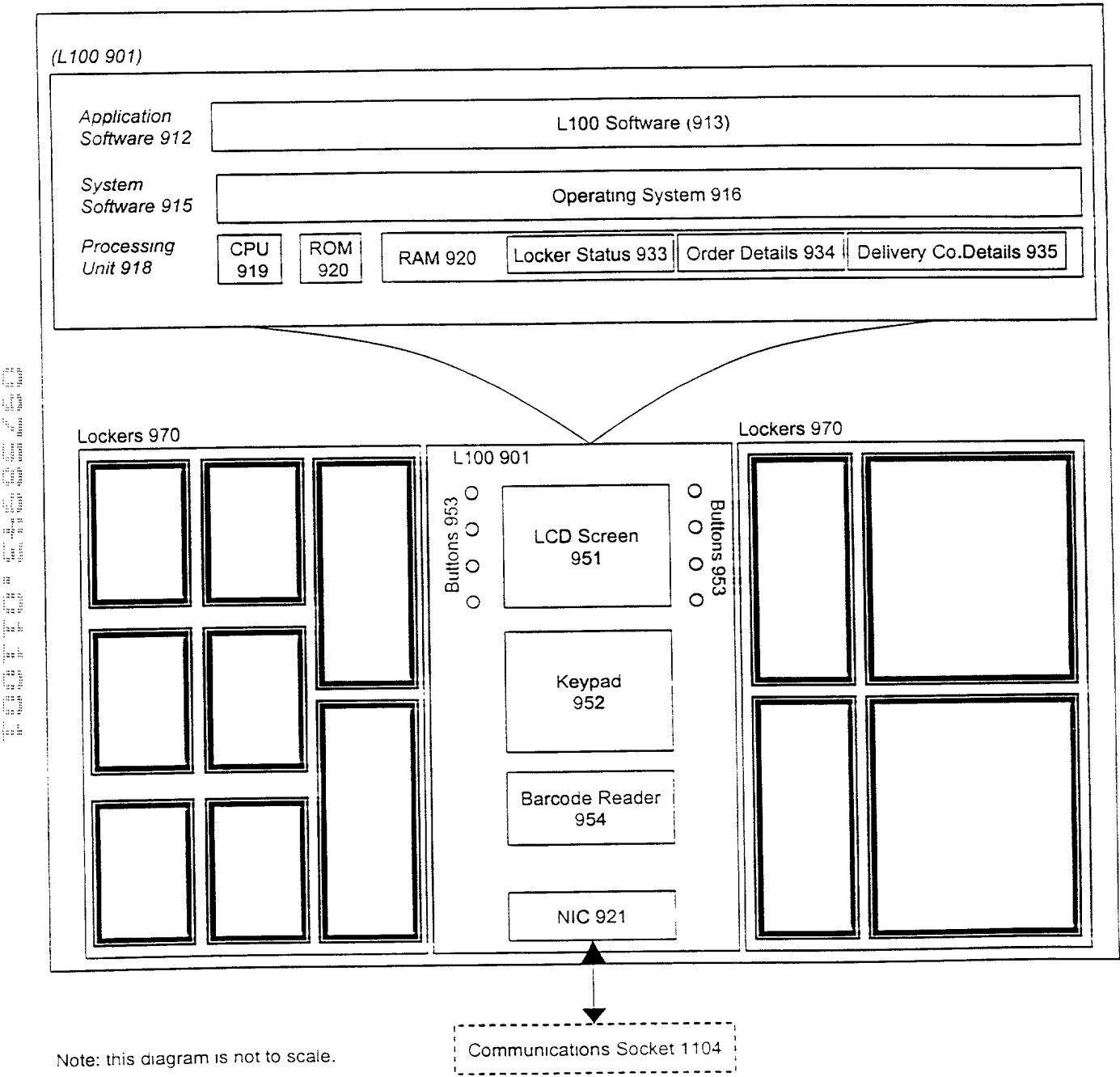


FIG. 5

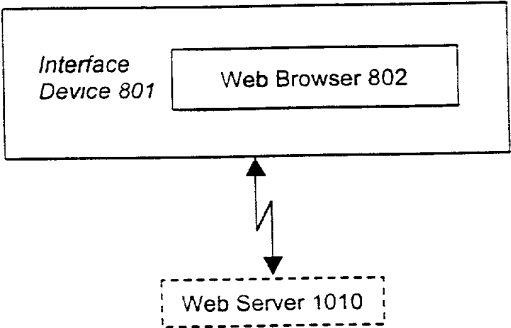


FIG. 6

Host 1100

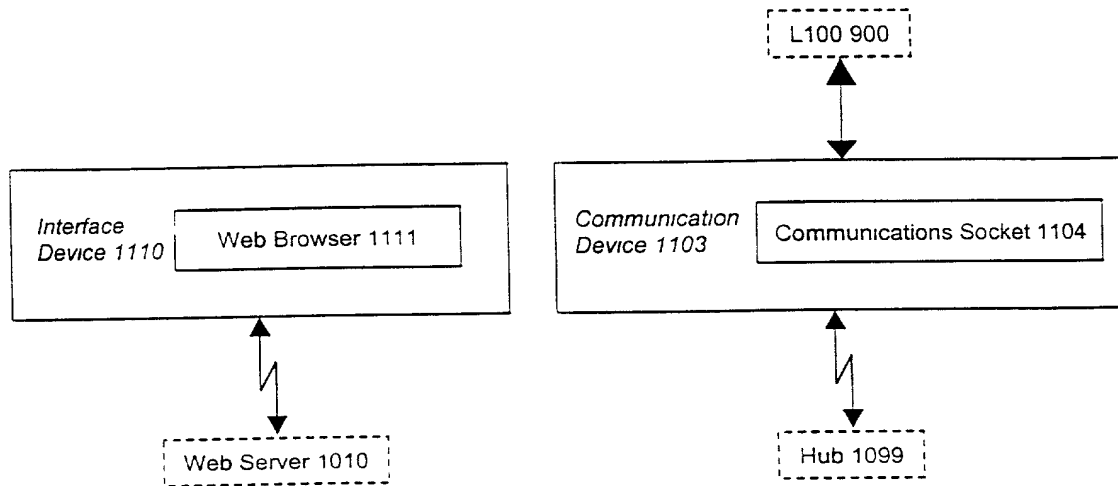


FIG. 7

## REGISTER 100

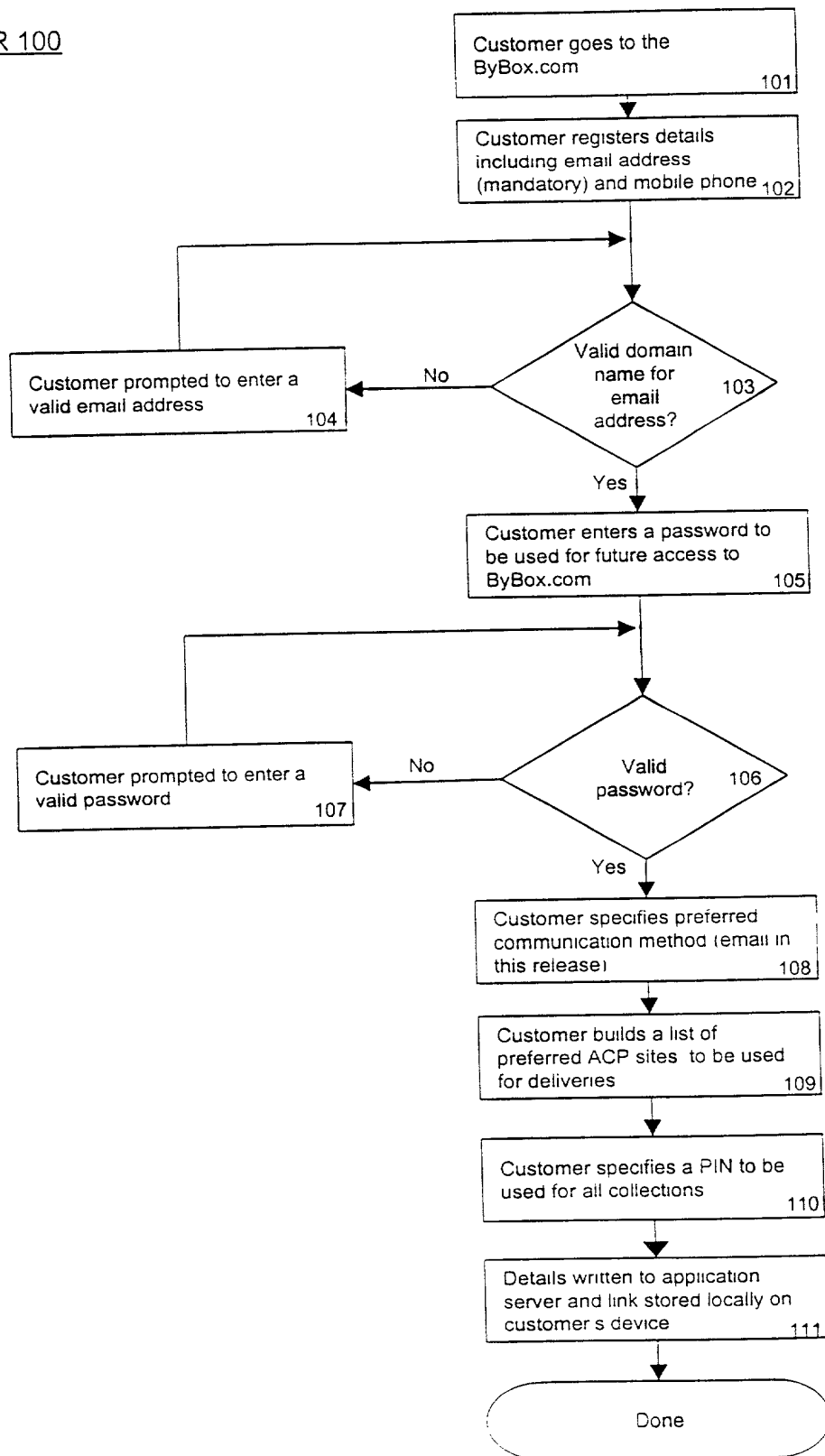


FIG. 8



# SCHEDULE DELIVERY 200

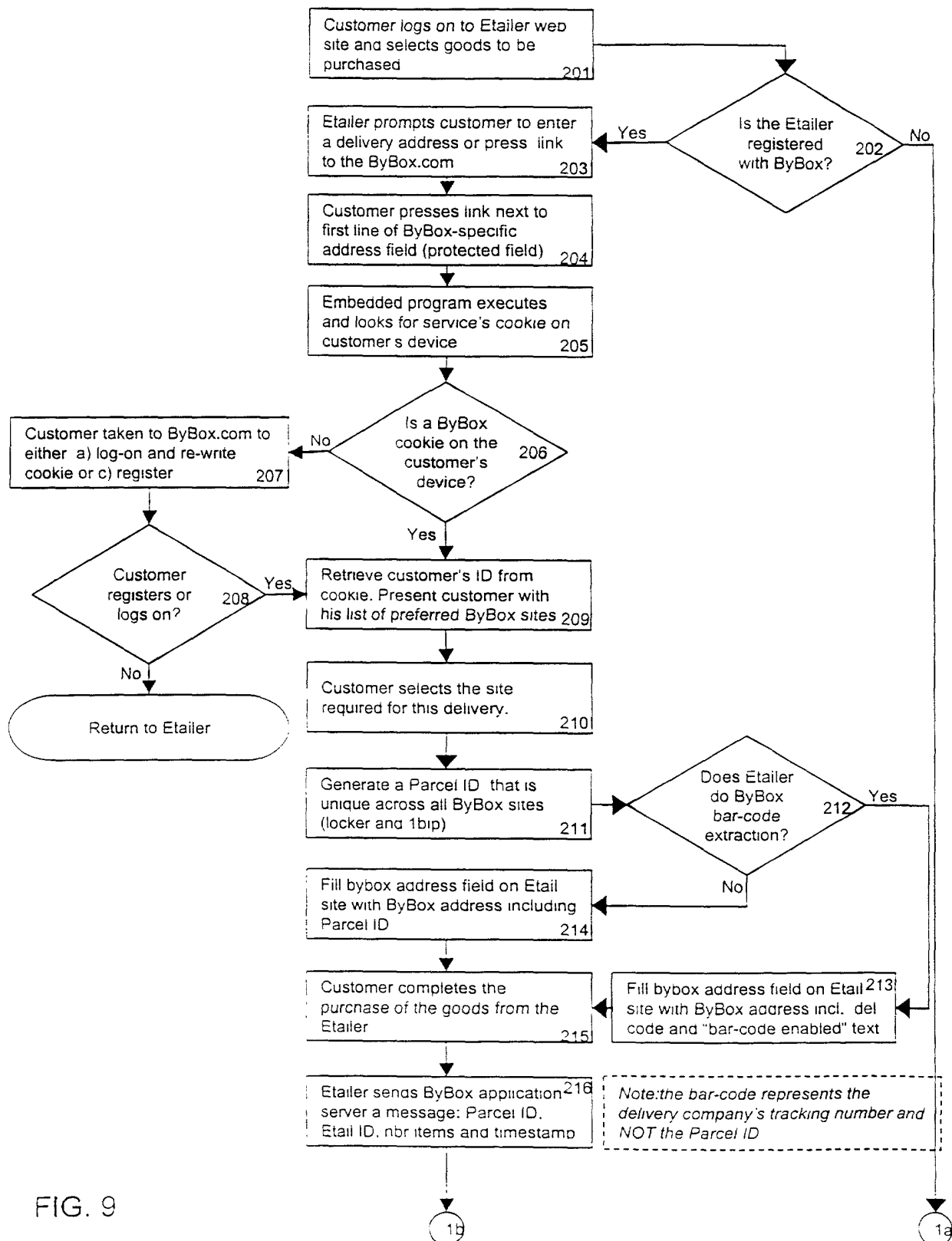


FIG. 9

# SCHEDULE DELIVERY 200 (cont.)

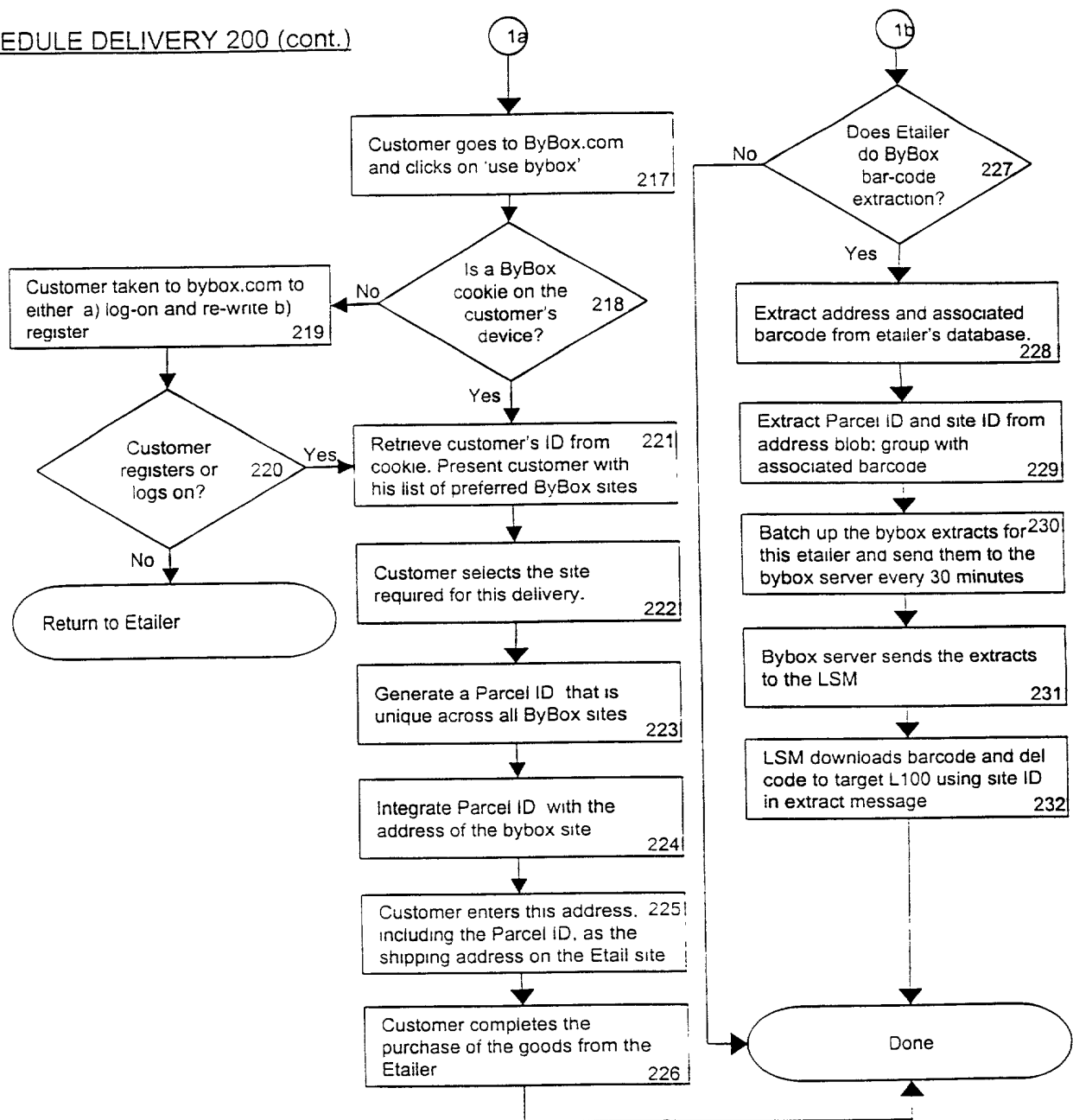
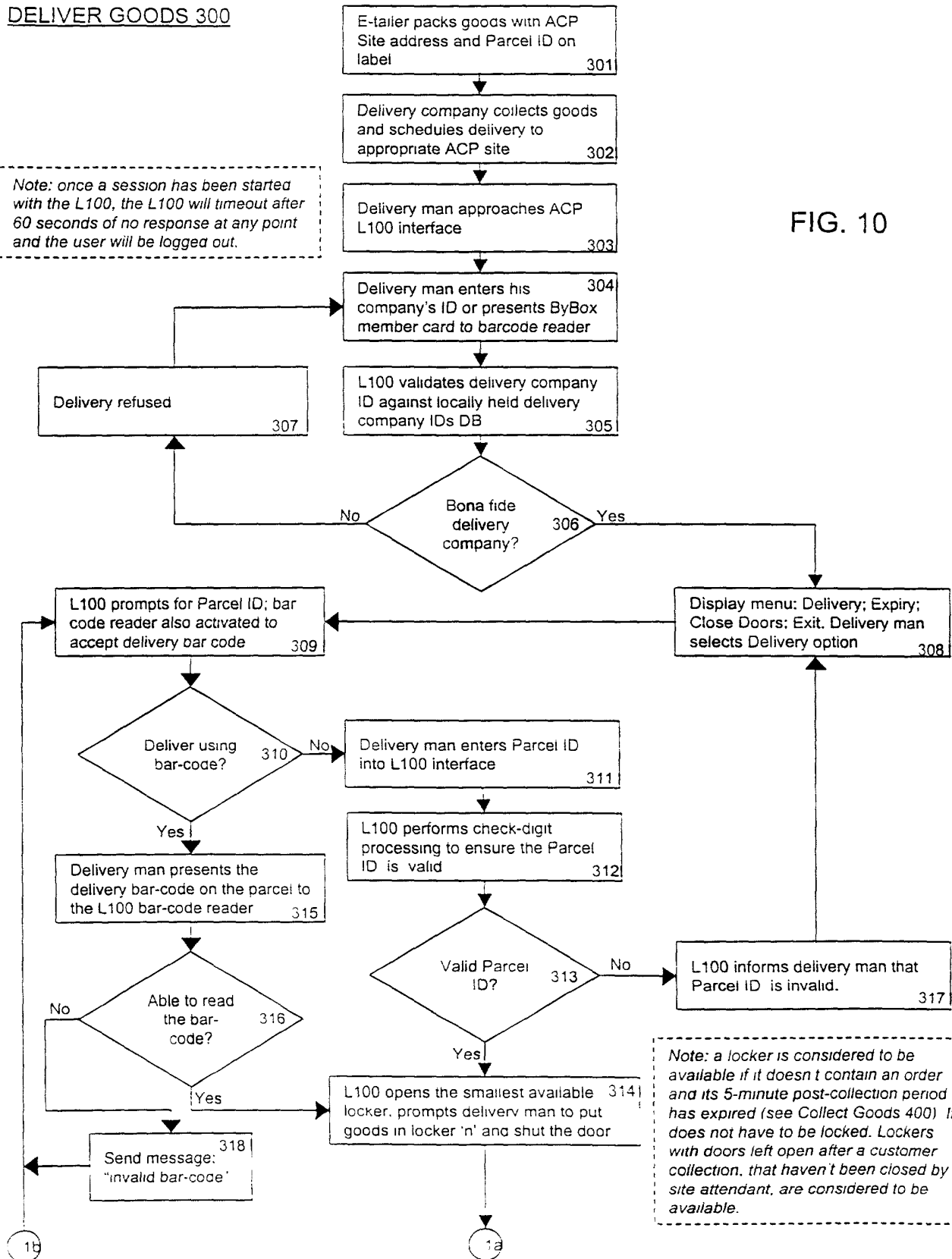


FIG. 9a

# DELIVER GOODS 300

Note: once a session has been started with the L100, the L100 will timeout after 60 seconds of no response at any point and the user will be logged out.

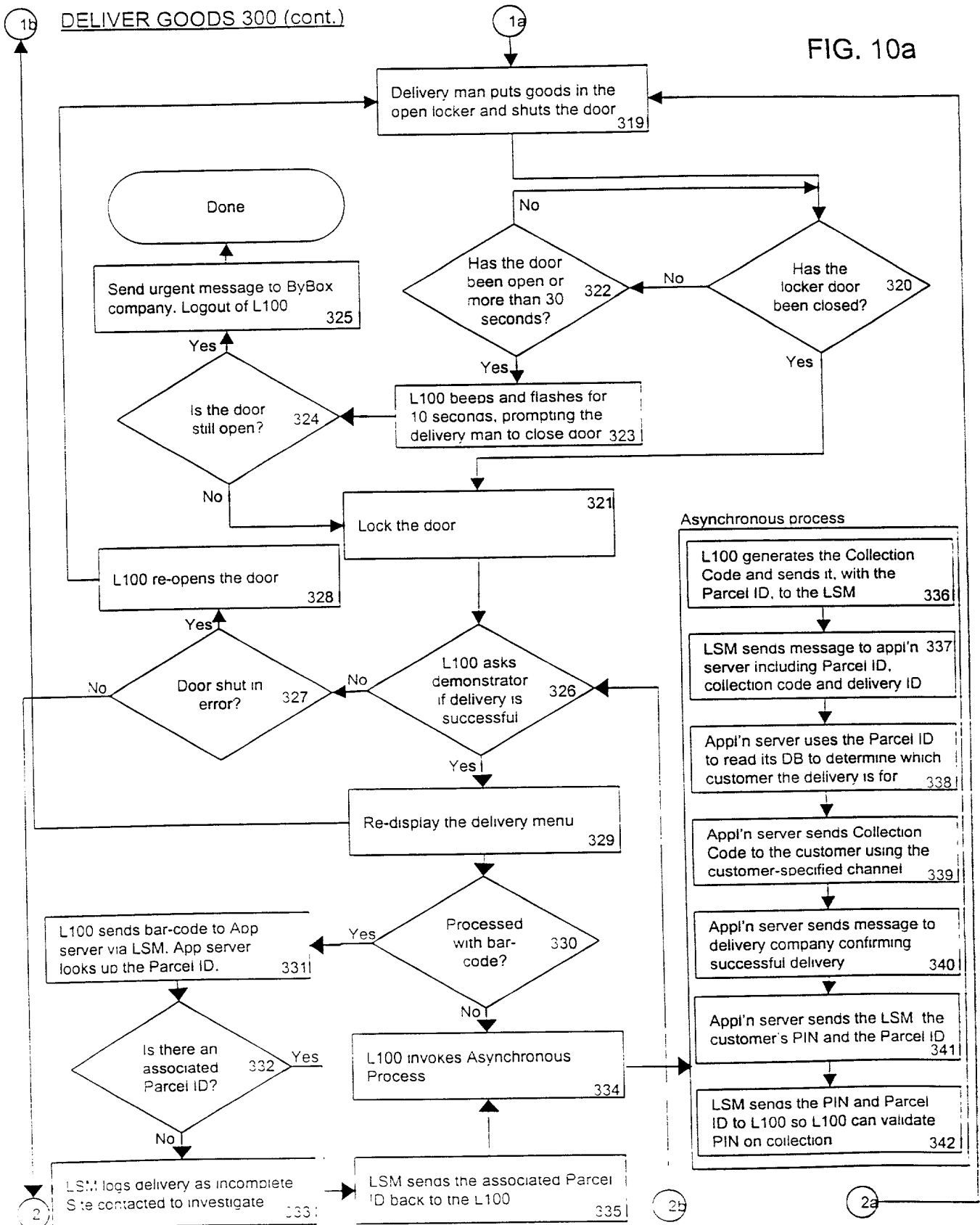
FIG. 10



Note: a locker is considered to be available if it doesn't contain an order and its 5-minute post-collection period has expired (see Collect Goods 400). It does not have to be locked. Lockers with doors left open after a customer collection, that haven't been closed by a site attendant, are considered to be available.

# DELIVER GOODS 300 (cont.)

FIG. 10a



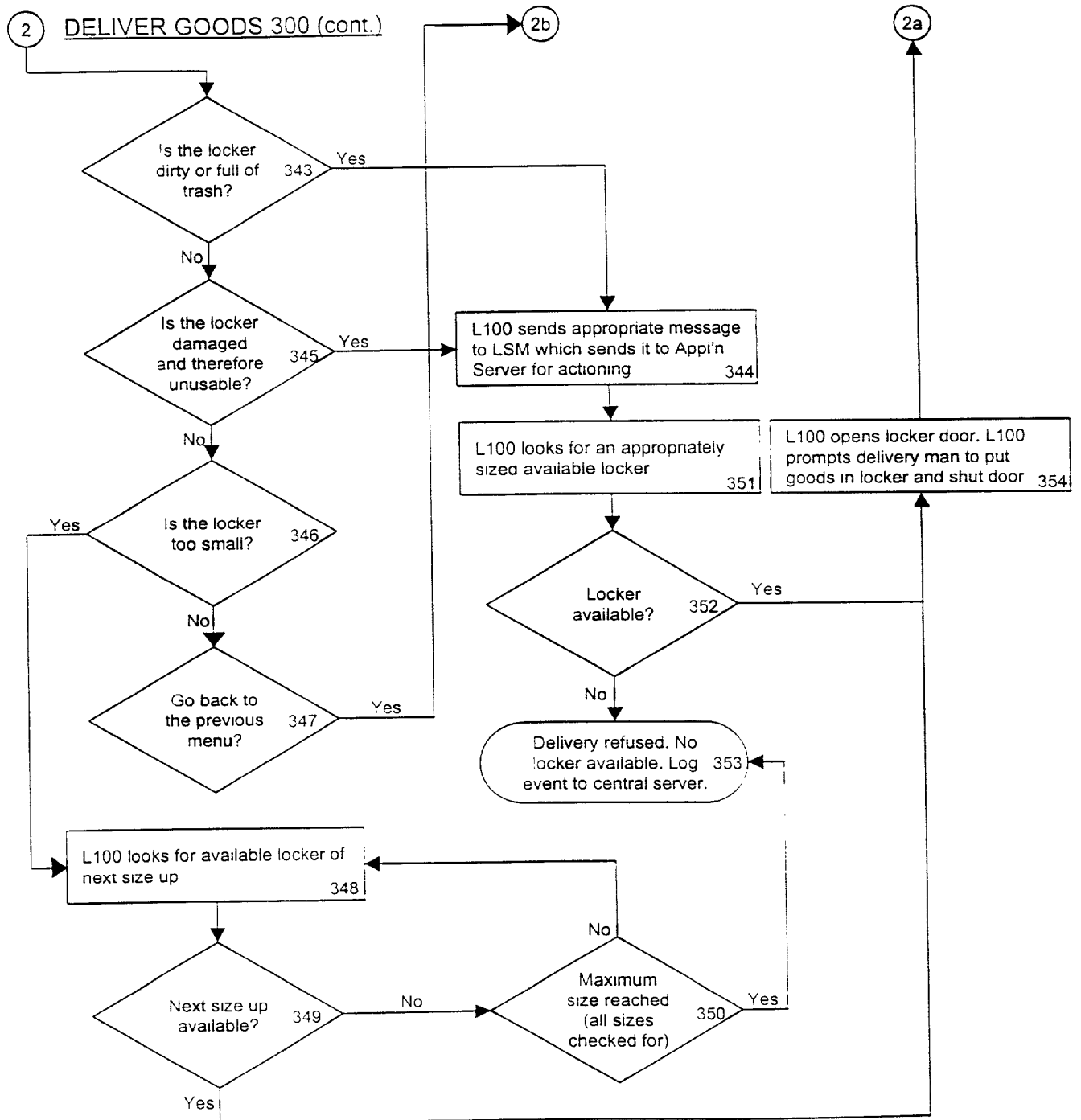


FIG. 10b

## COLLECT GOODS 400

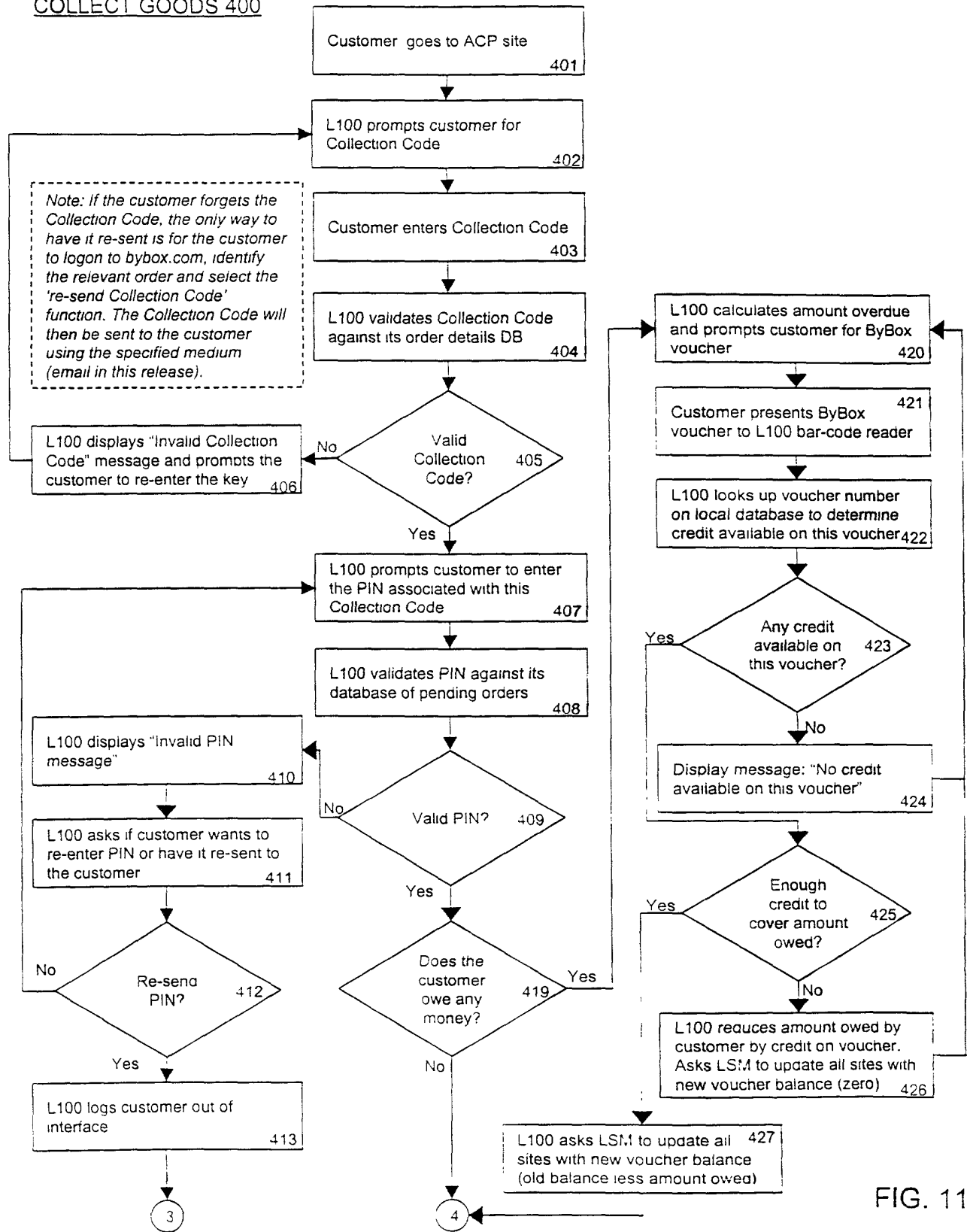
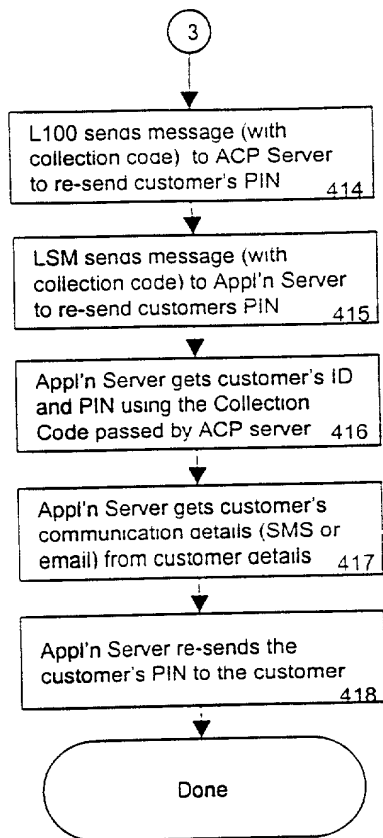
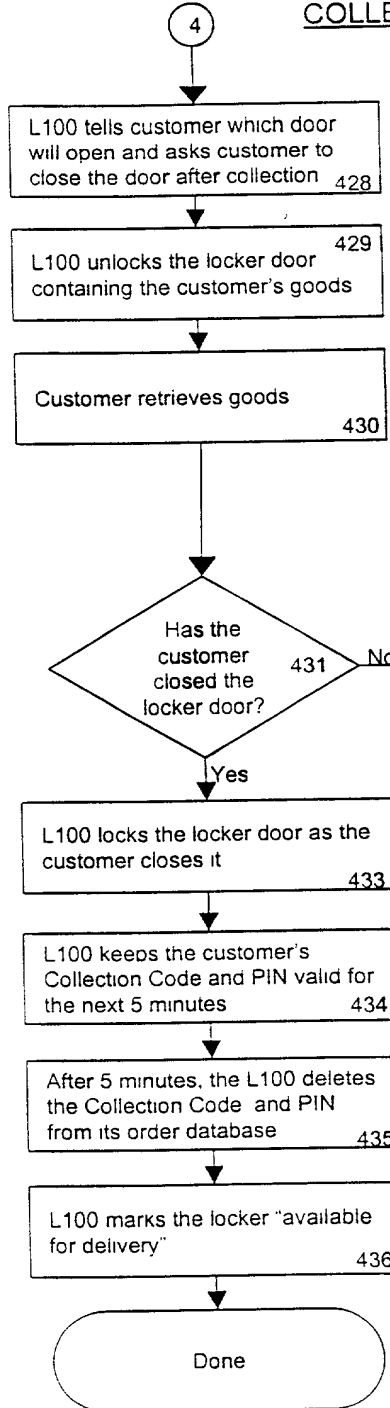


FIG. 11

FIG. 11a is a flowchart illustrating a process for collecting goods from a locker. The process begins with step 3, where L100 sends a message (with collection code) to ACP Server to re-send customer's PIN (414). This is followed by step 415, where LSM sends a message (with collection code) to Appl'n Server to re-send customer's PIN. Step 416 shows the Appl'n Server getting customer's ID and PIN using the Collection Code passed by ACP server. Step 417 shows the Appl'n Server getting customer's communication details (SMS or email) from customer details. Step 418 shows the Appl'n Server re-sending the customer's PIN to the customer. The process then ends at 'Done'.



#### COLLECT GOODS 400 (cont)



Note: a locker door will be "lockable" only for the 30 seconds after it has been opened for the customer to collect their goods. After this period, it will not be locked even if closed by the customer or anybody else. Otherwise, if the door was left in a state where it would be locked when closed, all sorts of things could be locked in by mistake (animals, small children etc.). This would clearly be unacceptable.

In this release the locker door will be locked by a site attendant, or by a delivery man if the open locker is to be used for another delivery. However, the medium-term solution might be for the locker door to automatically close after opening.

If locker is shut in the next 30 seconds then lock it, else leave the door unlocked and available 432

Note: the L100 needs to allow the customer to re-open the locker in case the locker door was accidentally closed before the goods were removed. The customer is allowed 5 minutes for this purpose.

FIG. 11a

# COLLECTION EXPIRY 500

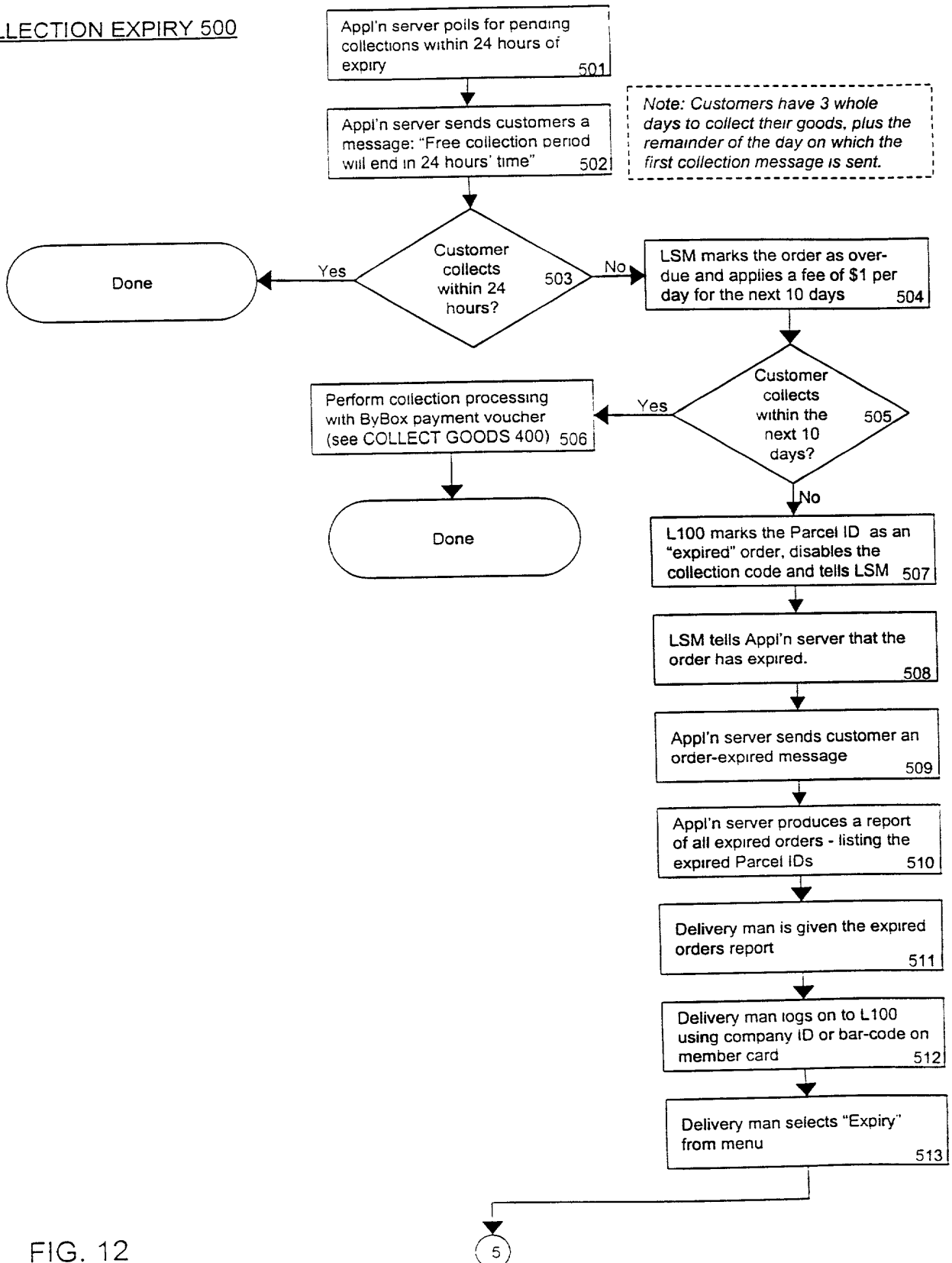


FIG. 12



# COLLECTION EXPIRY 530

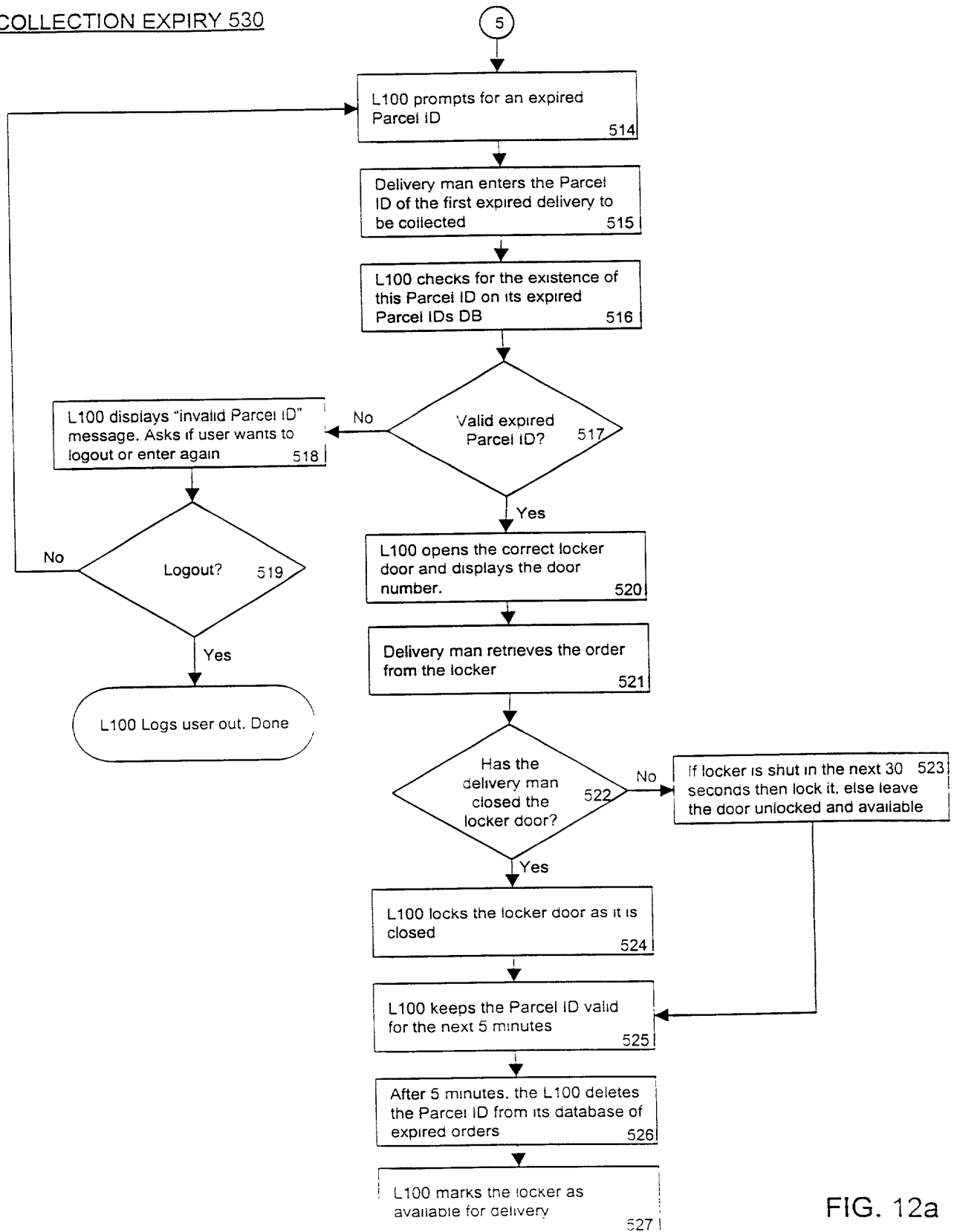


FIG. 12a

## PARTNER SETTLEMENT 600

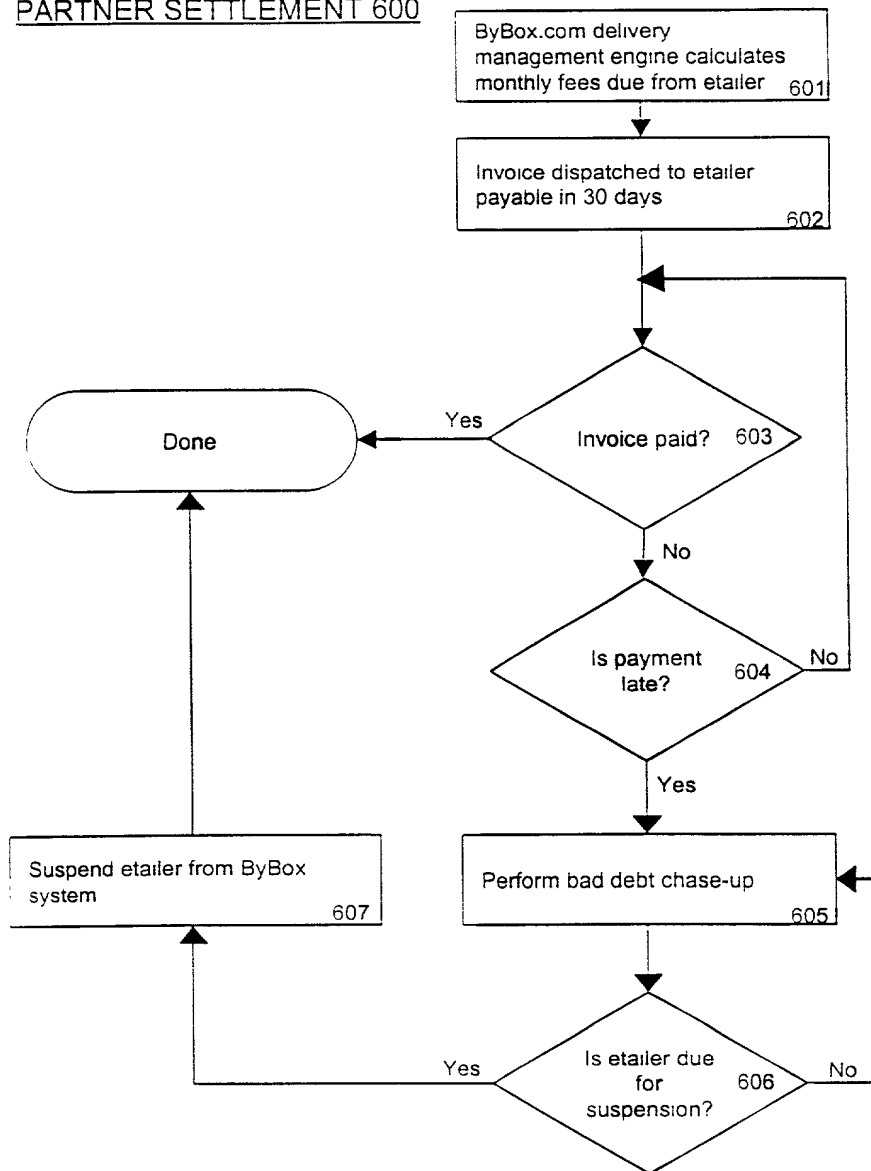


FIG. 13

PARTNER SETTLEMENT 600  
(Contd)

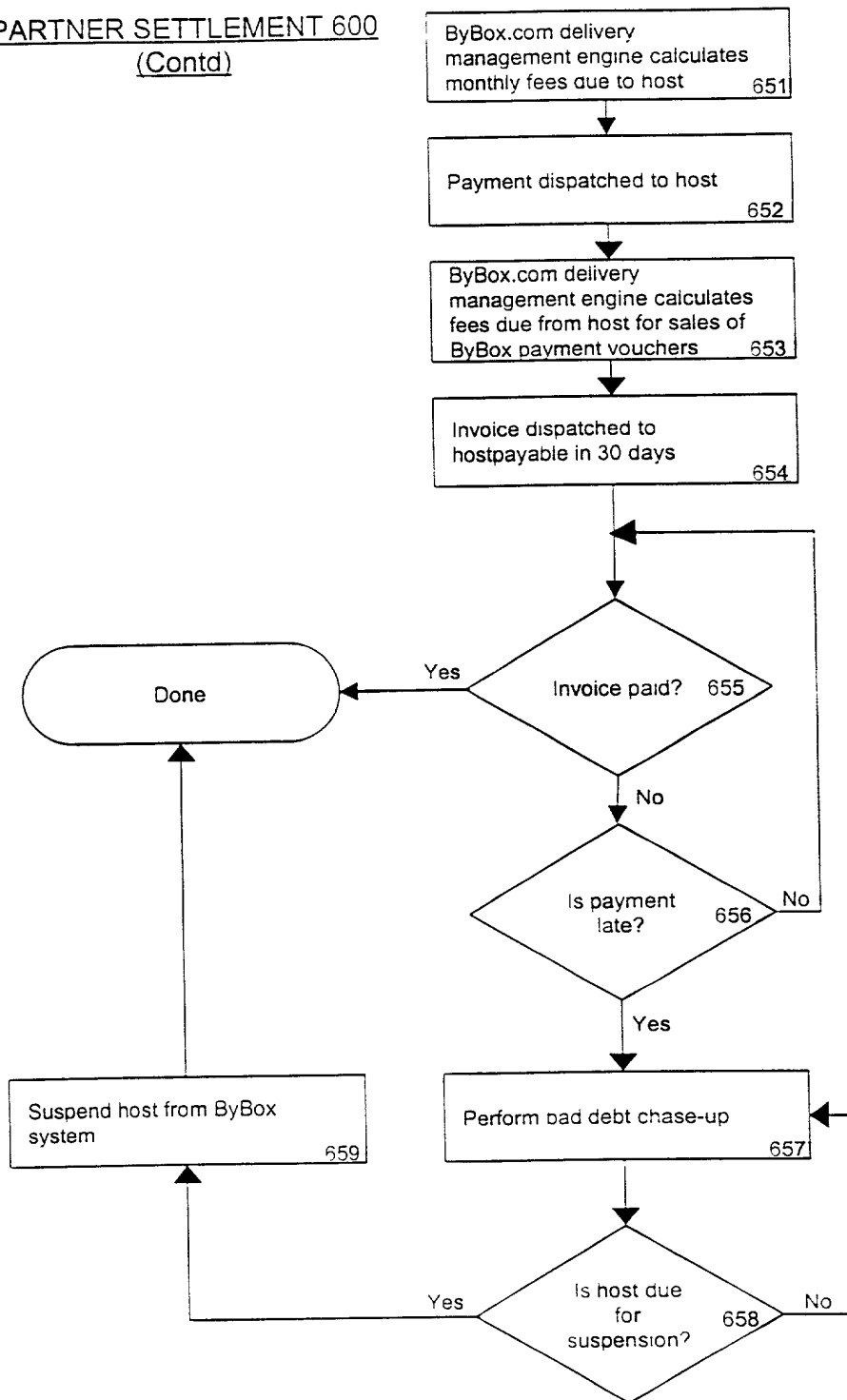


FIG. 14

## CLOSE DOORS 1300

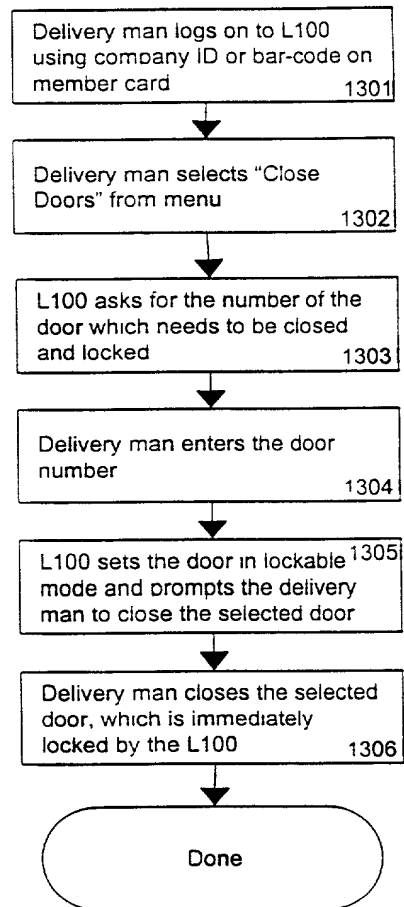


FIG. 15

## DELIVERY COMPANY REGISTRATION 1400

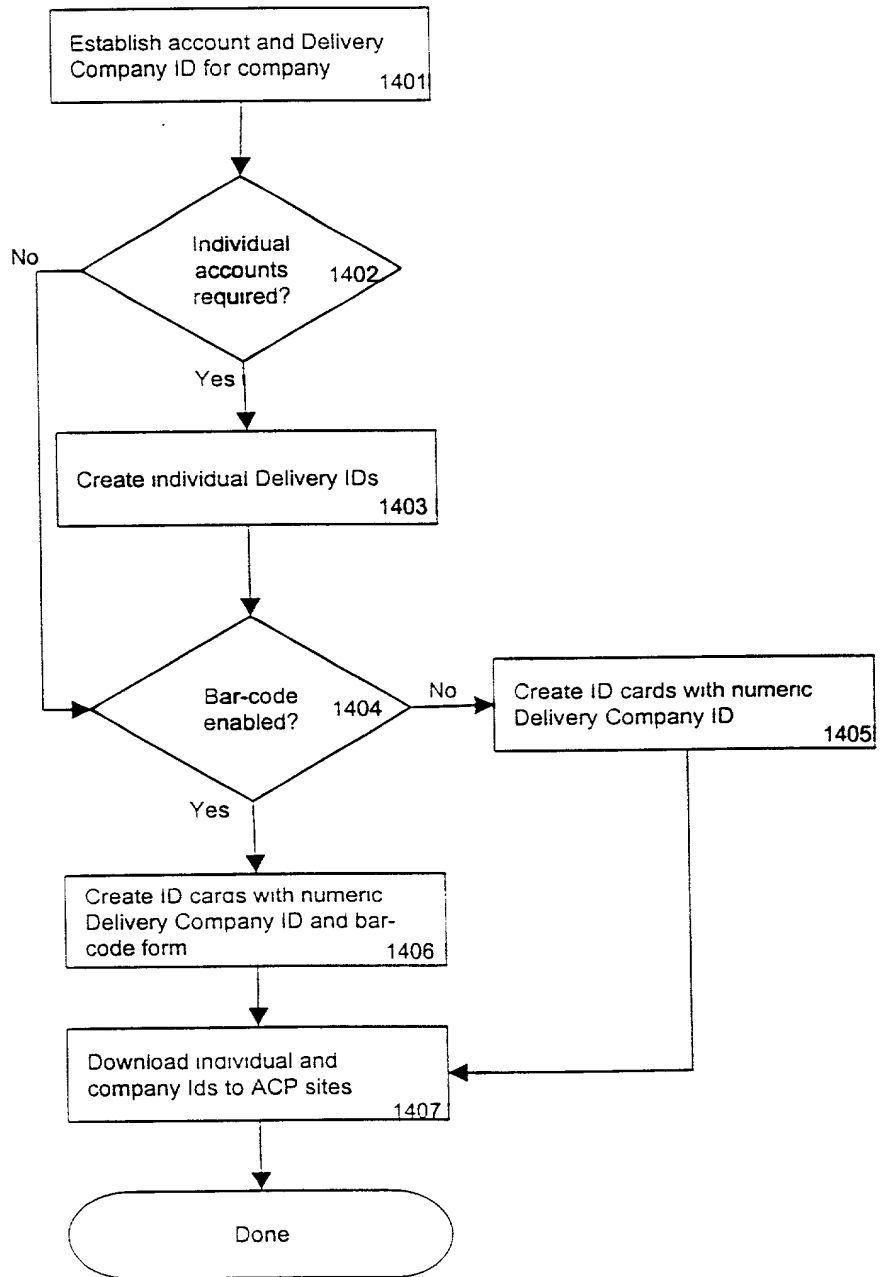


FIG.16

## ACP HOST REGISTRATION 1500

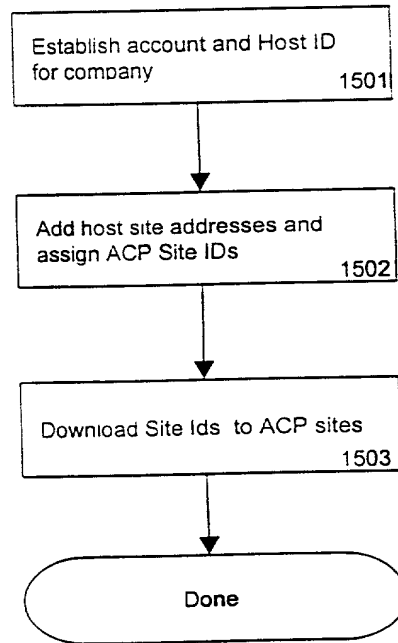


FIG. 17

ETAILER REGISTRATION 1600

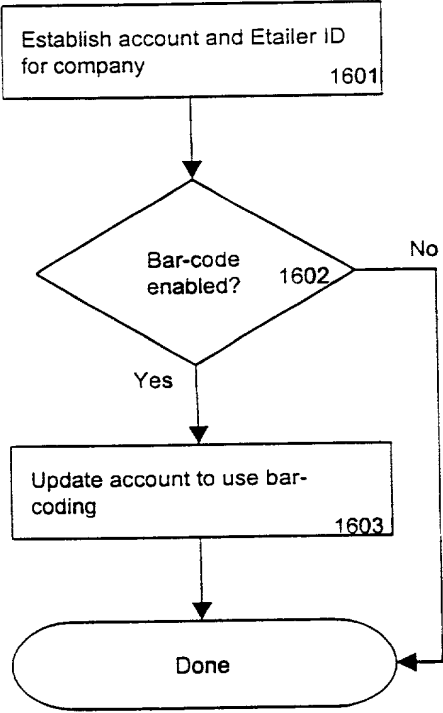
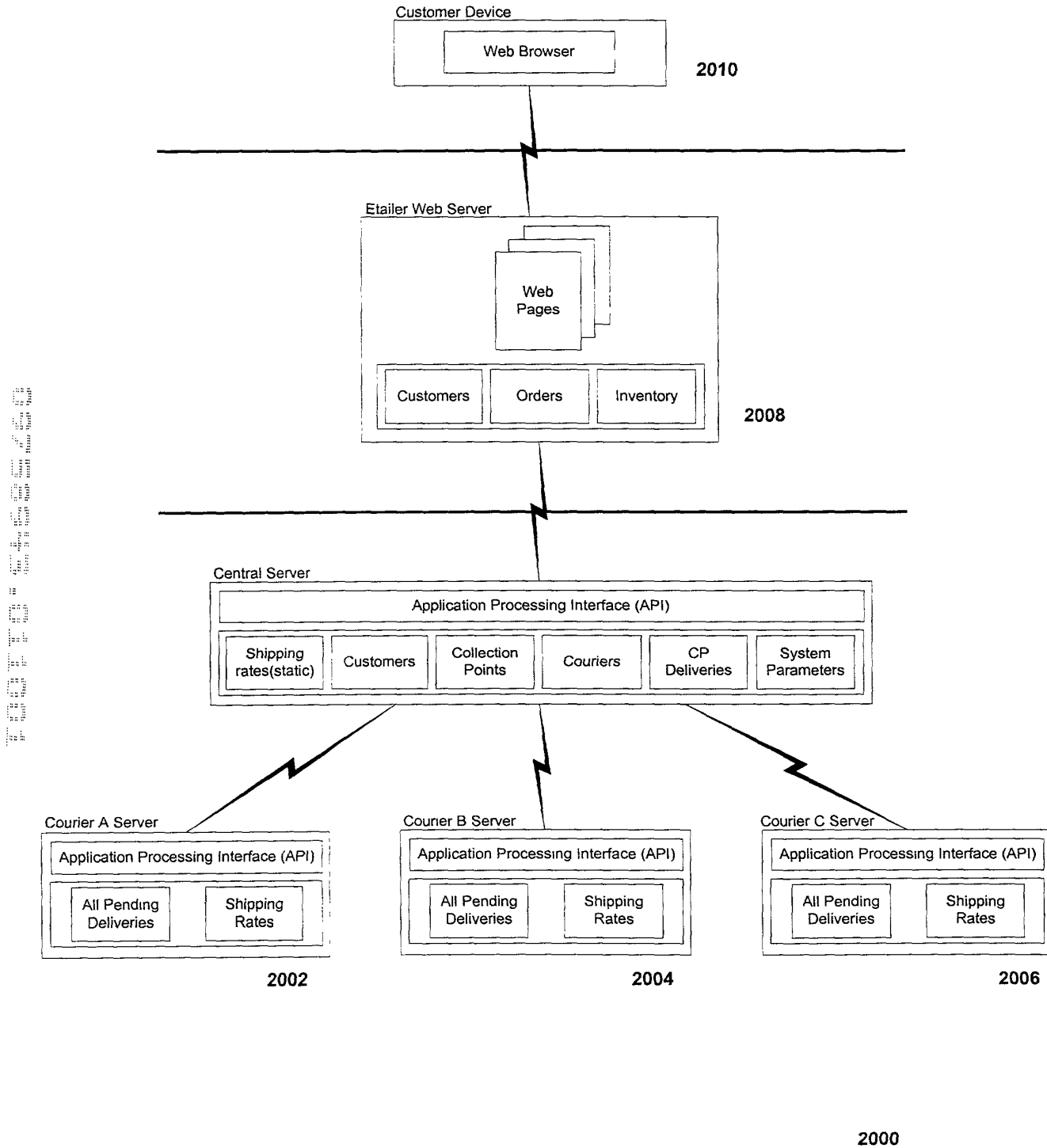


FIG. 18

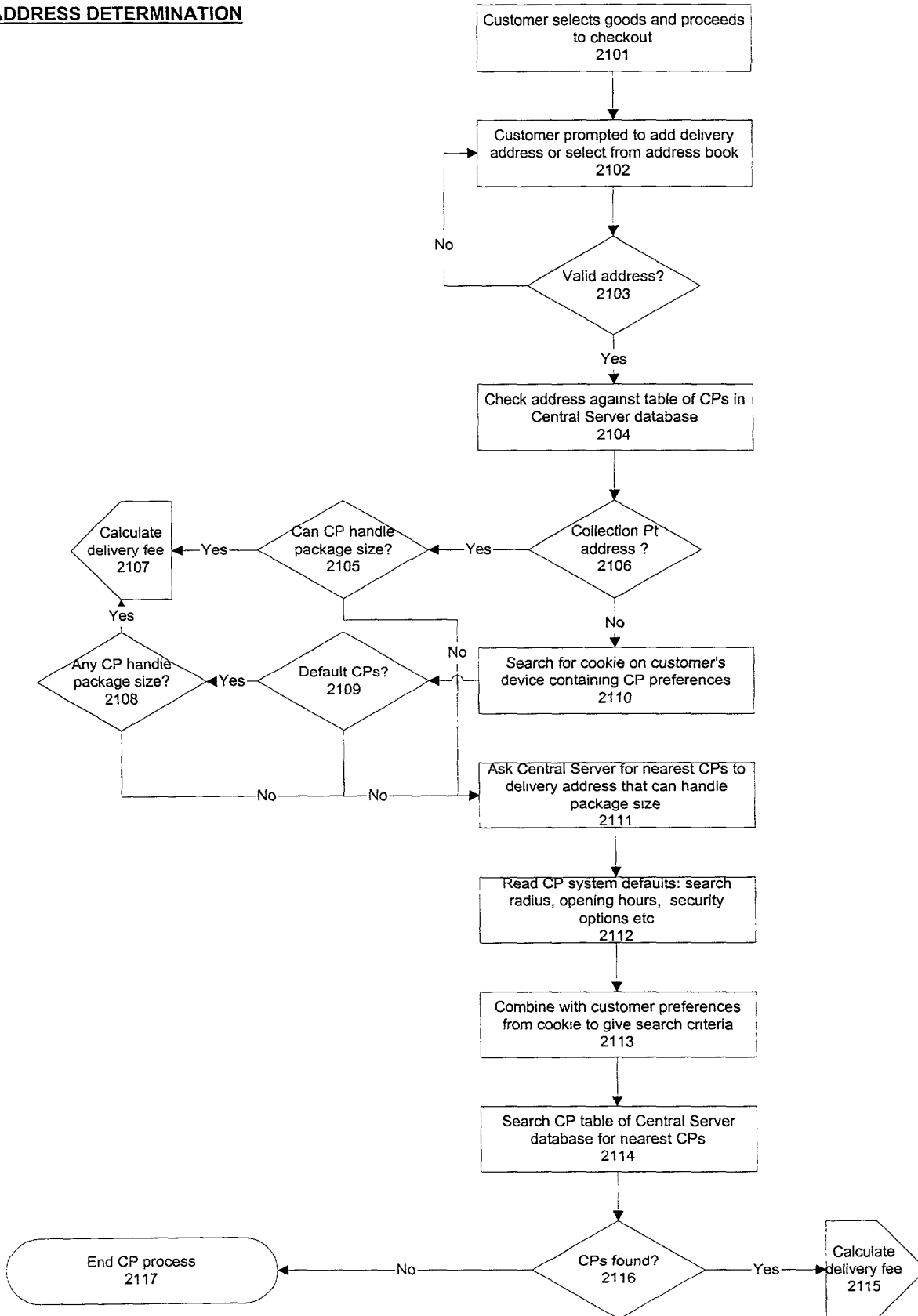
**BLOCK DIAGRAM OF INVENTION**



**FIG. 19**



## ADDRESS DETERMINATION



## DELIVERY FEE CALCULATION

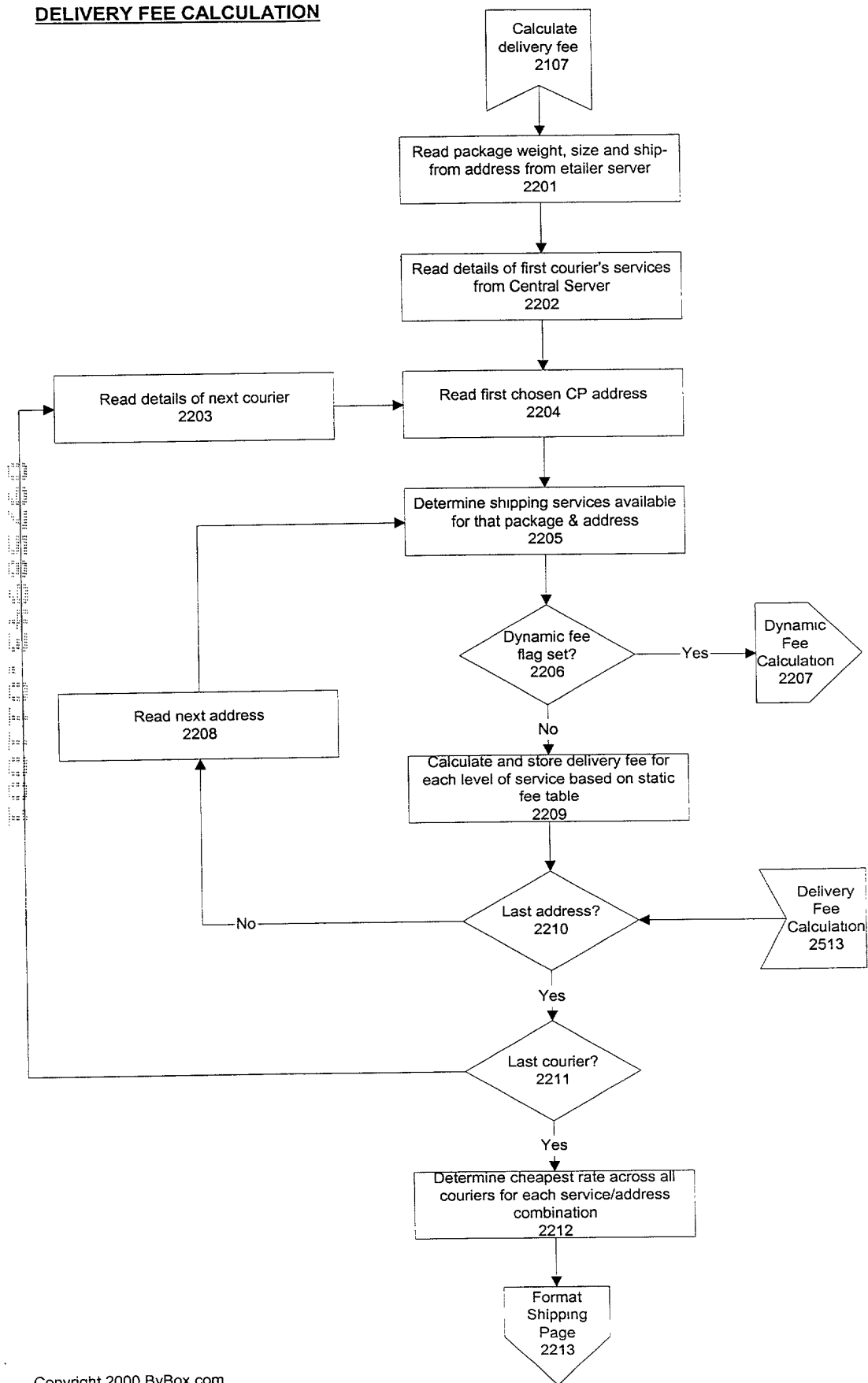
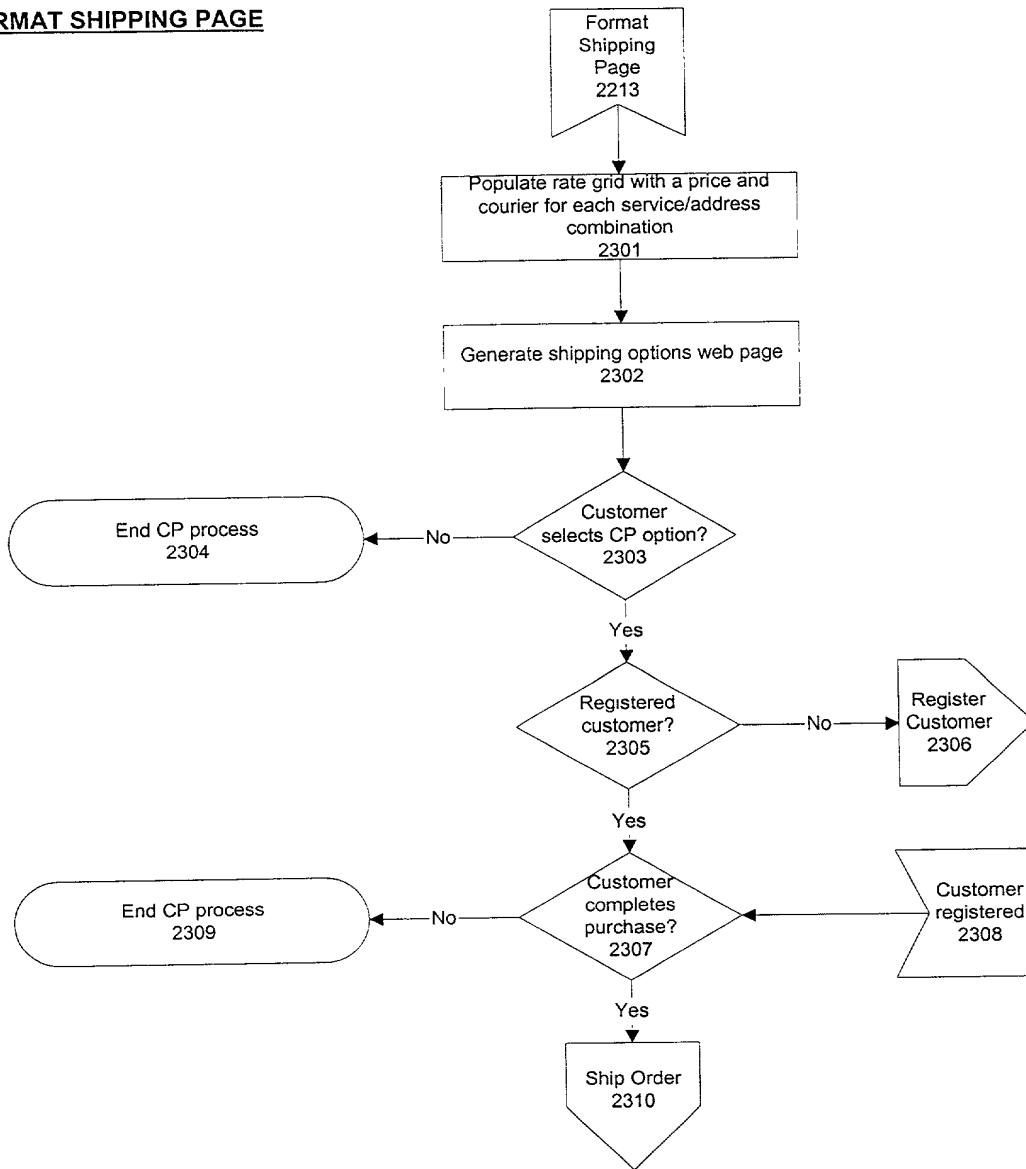


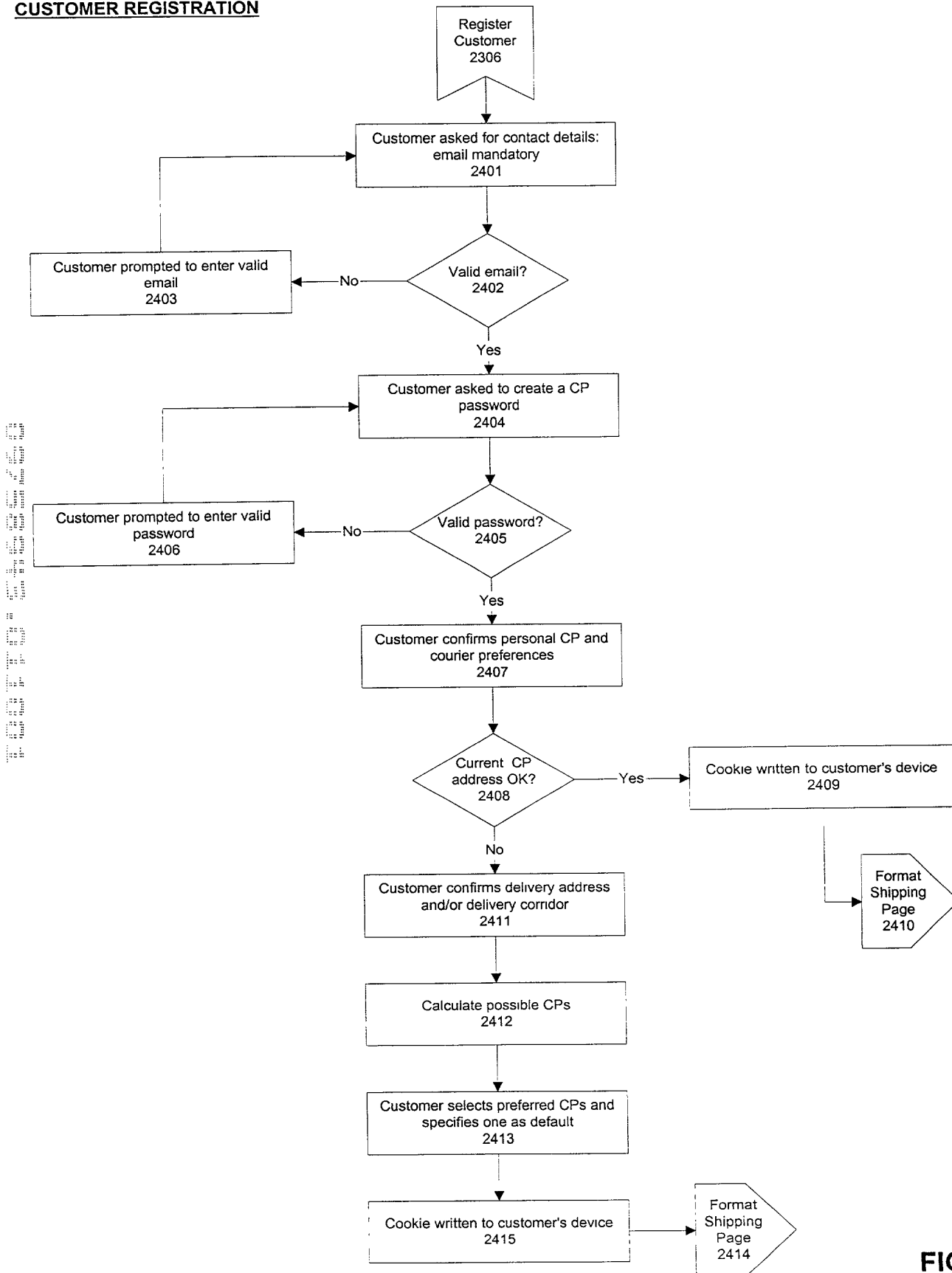
FIG. 21

**FORMAT SHIPPING PAGE**



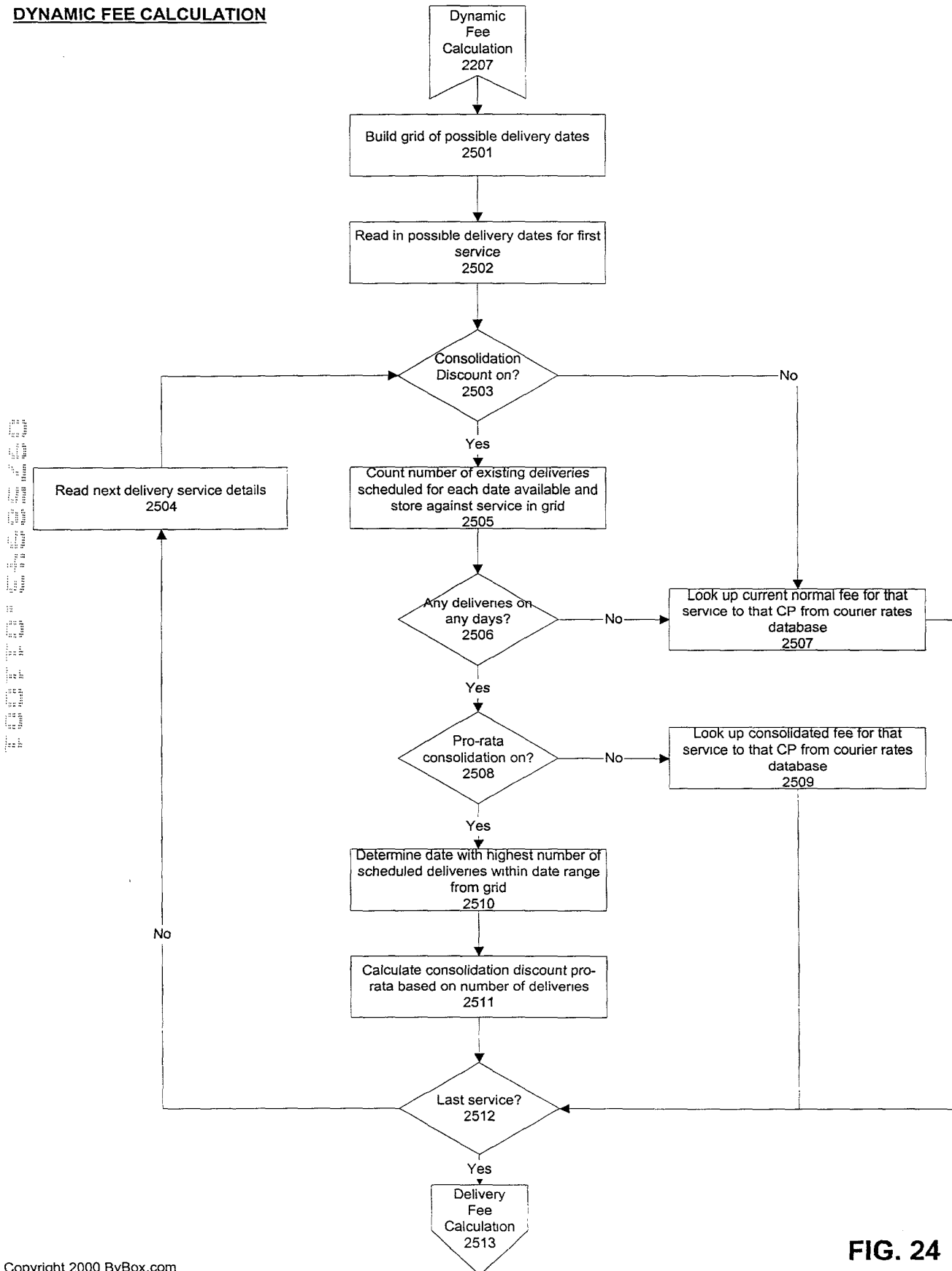
**FIG. 22**

**CUSTOMER REGISTRATION**



**FIG. 23**

## DYNAMIC FEE CALCULATION



**FIG. 24**

## SHIP ORDER

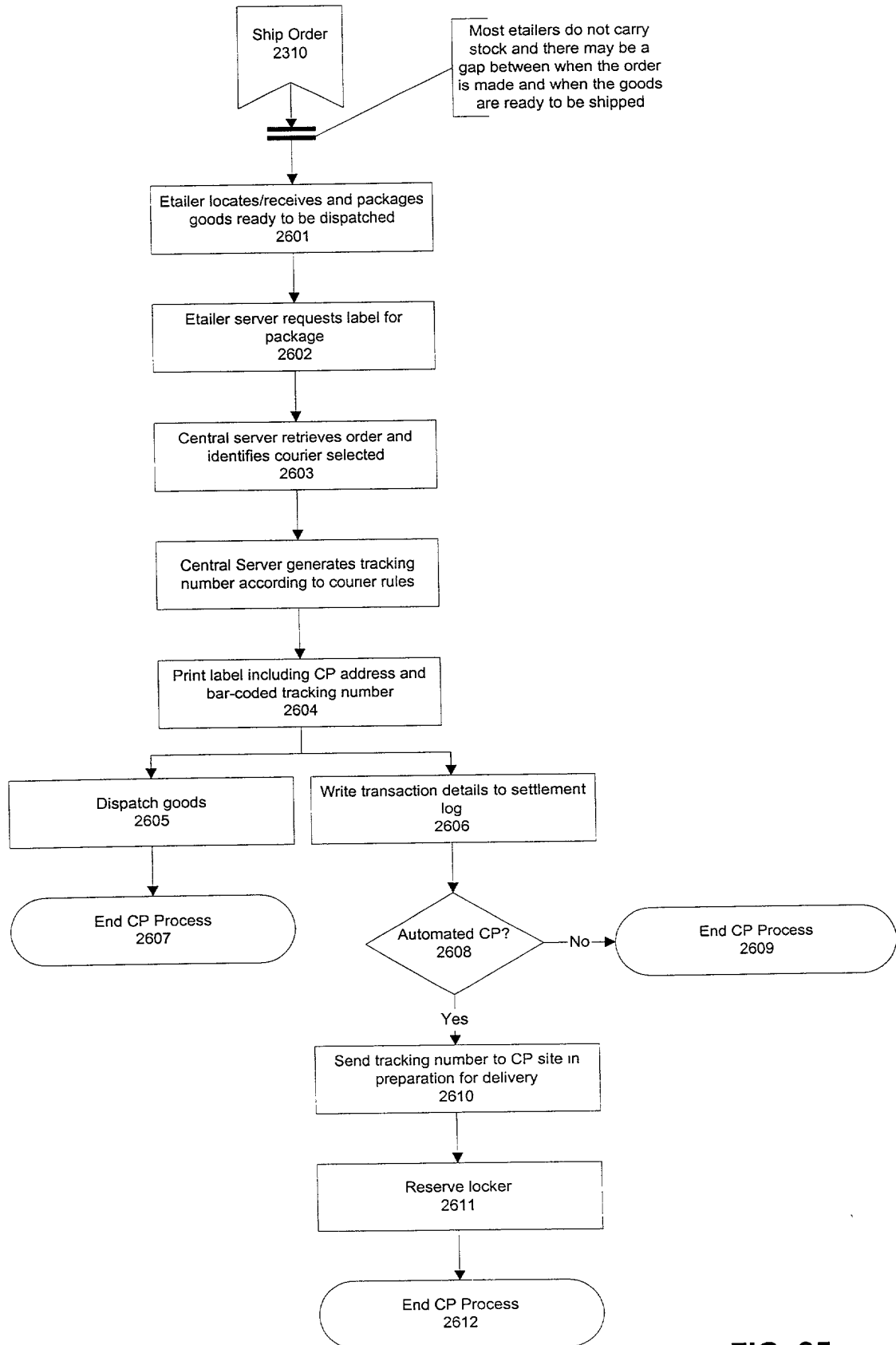


FIG. 25

# SETTLEMENT

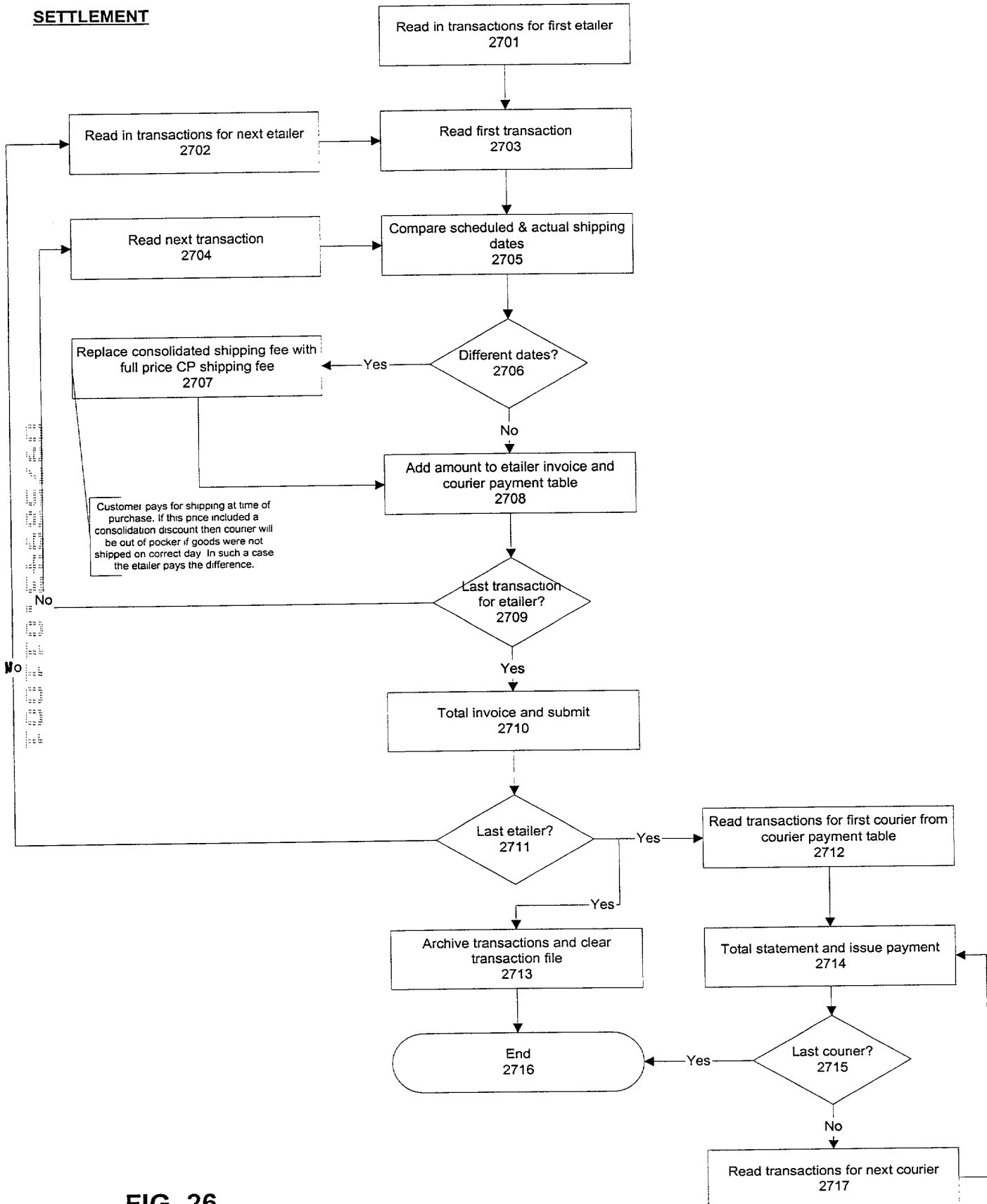


FIG. 26

## SYSTEM PARAMETERS

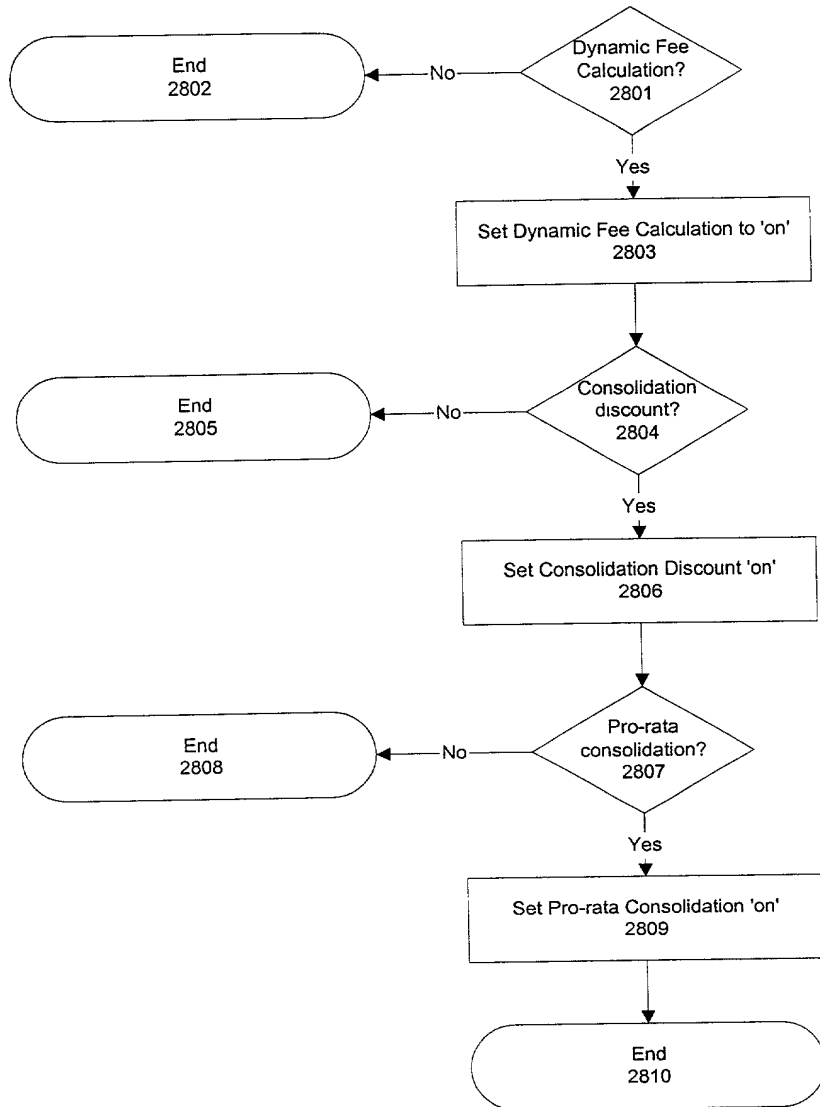


FIG. 27



## SCHEDULE DELIVERY

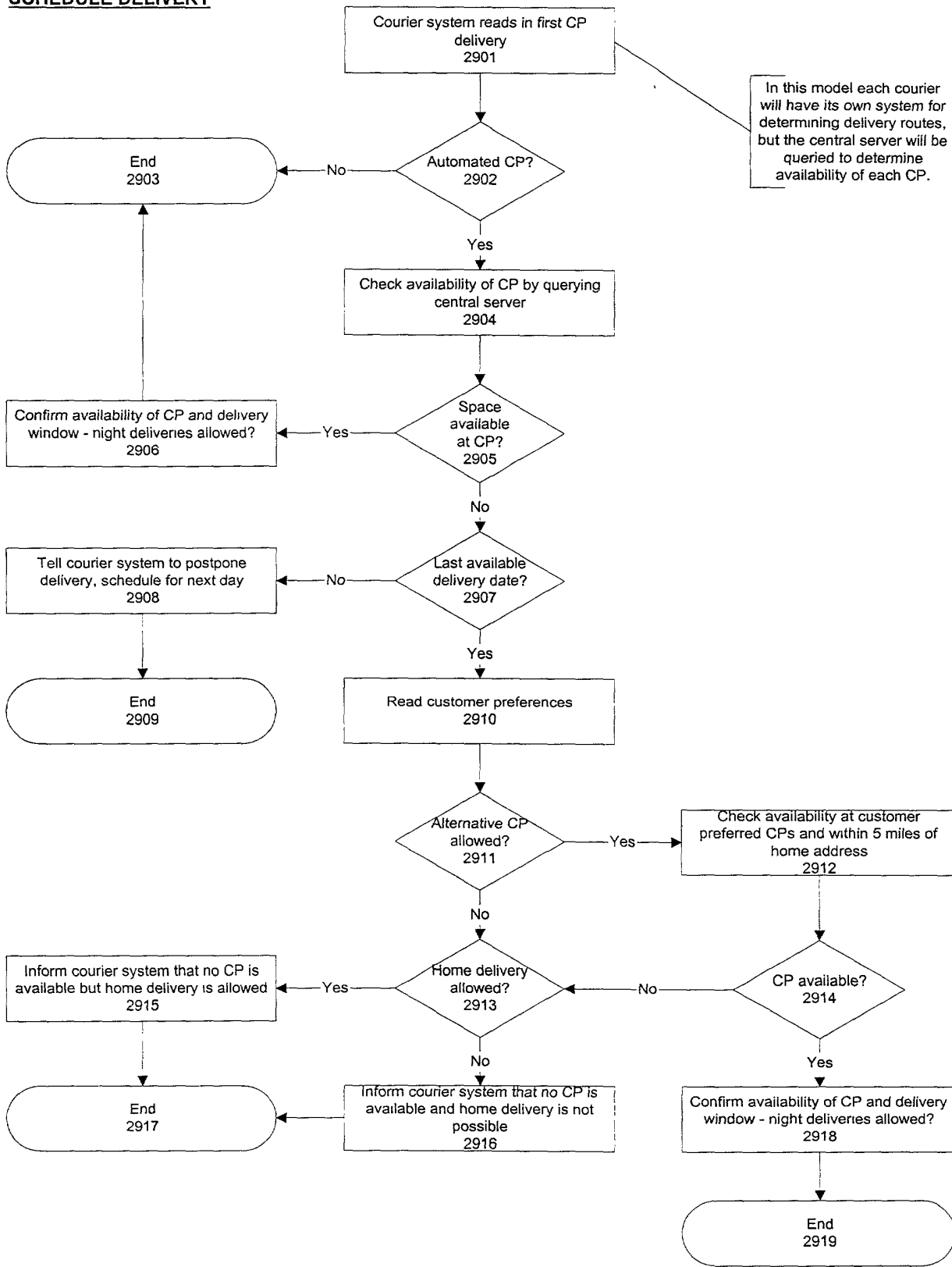
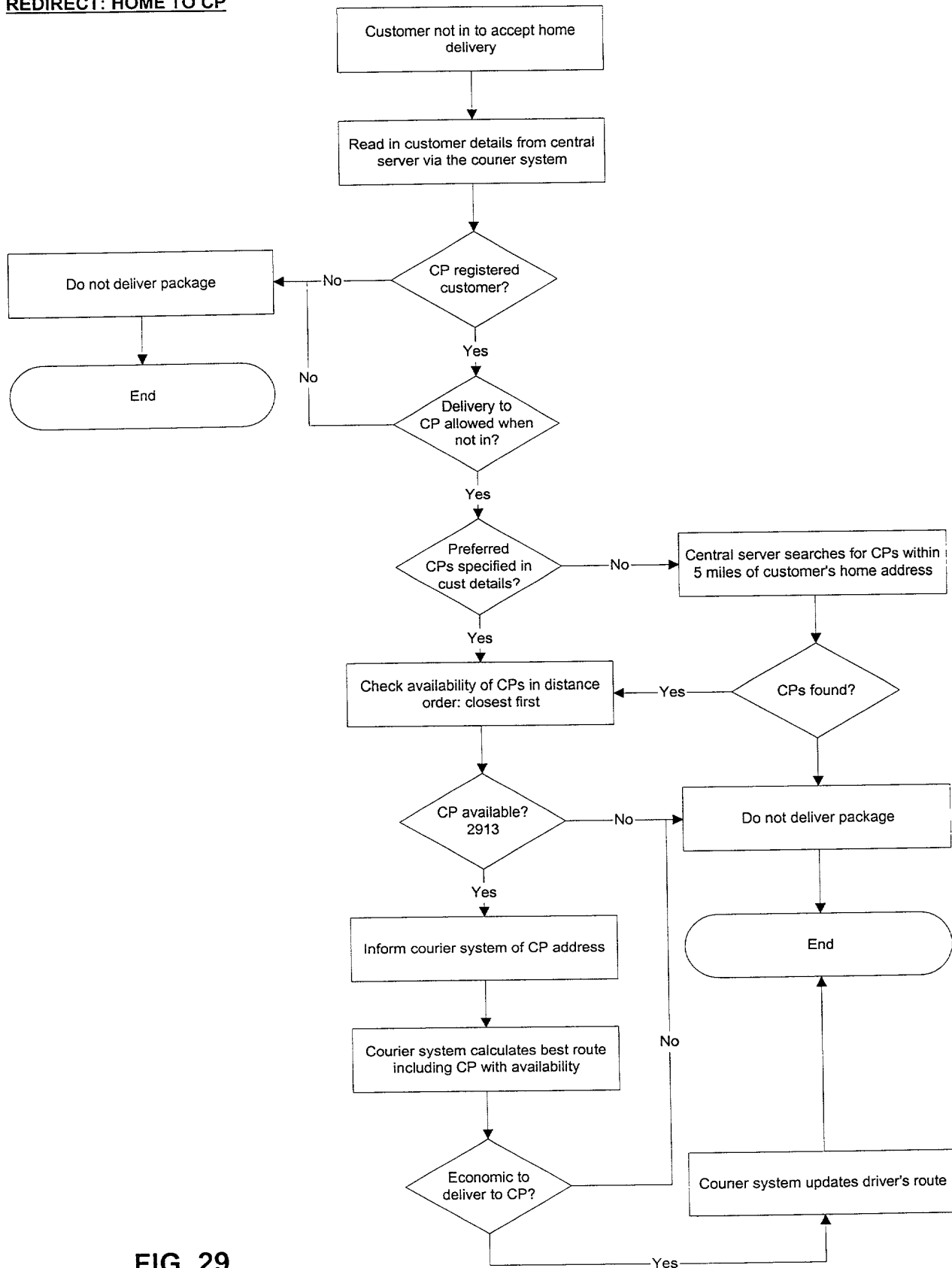


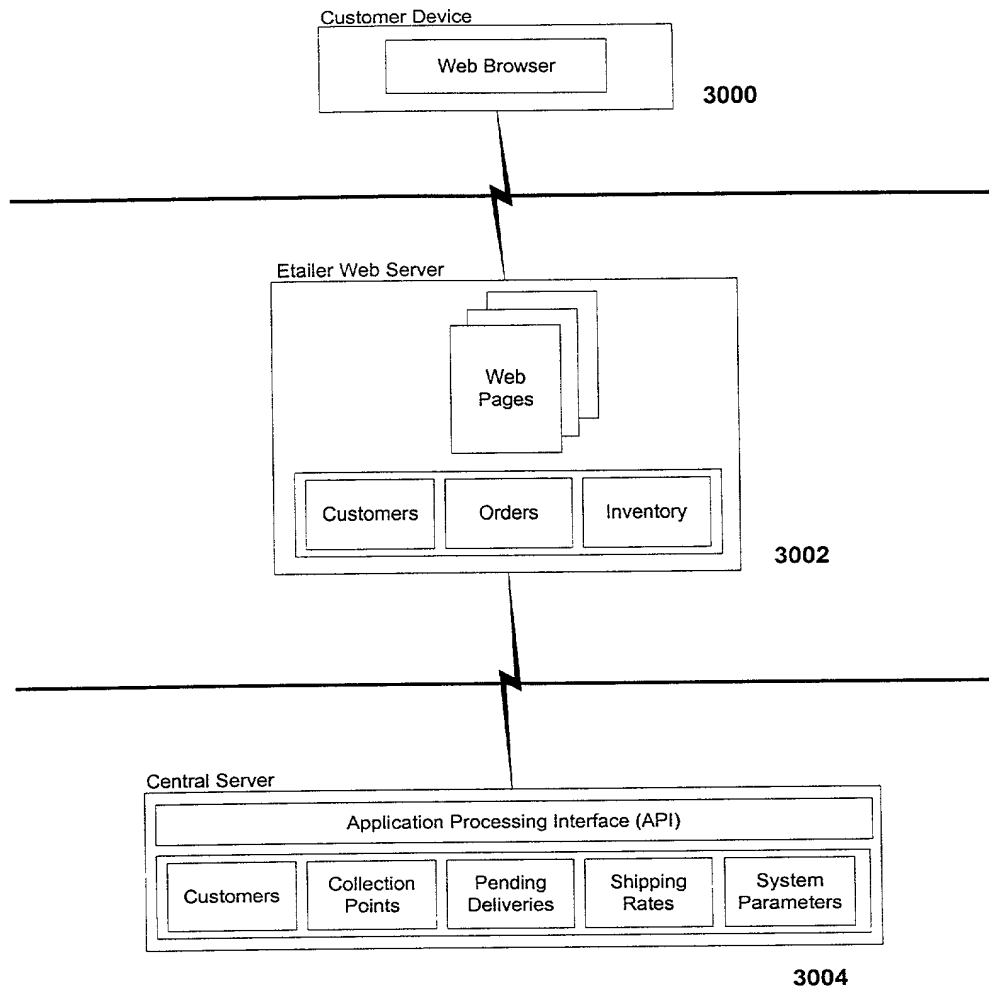
FIG. 28

**REDIRECT: HOME TO CP**



**FIG. 29**

**BLOCK DIAGRAM OF INVENTION**



**FIG. 30**

## ADDRESS DETERMINATION

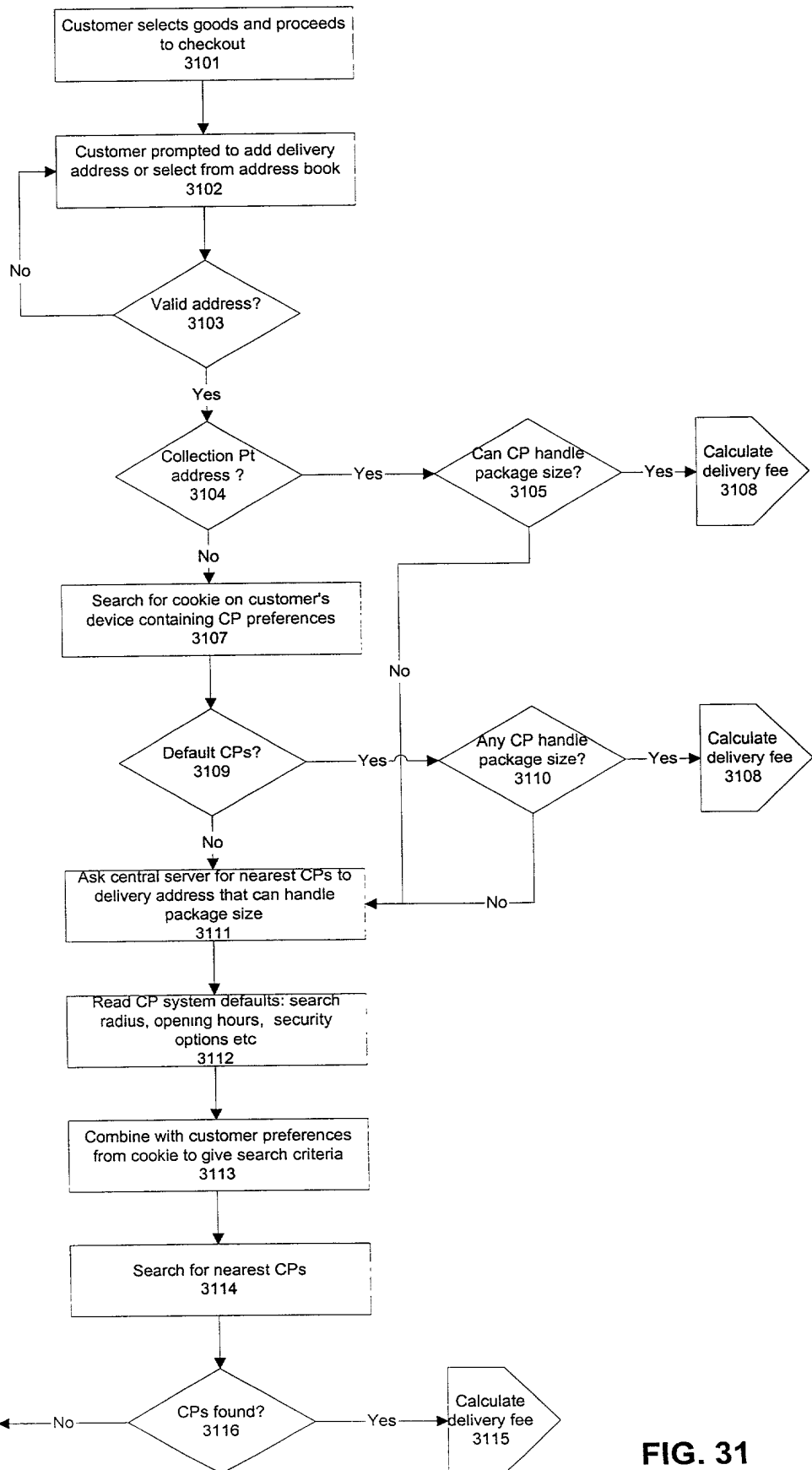
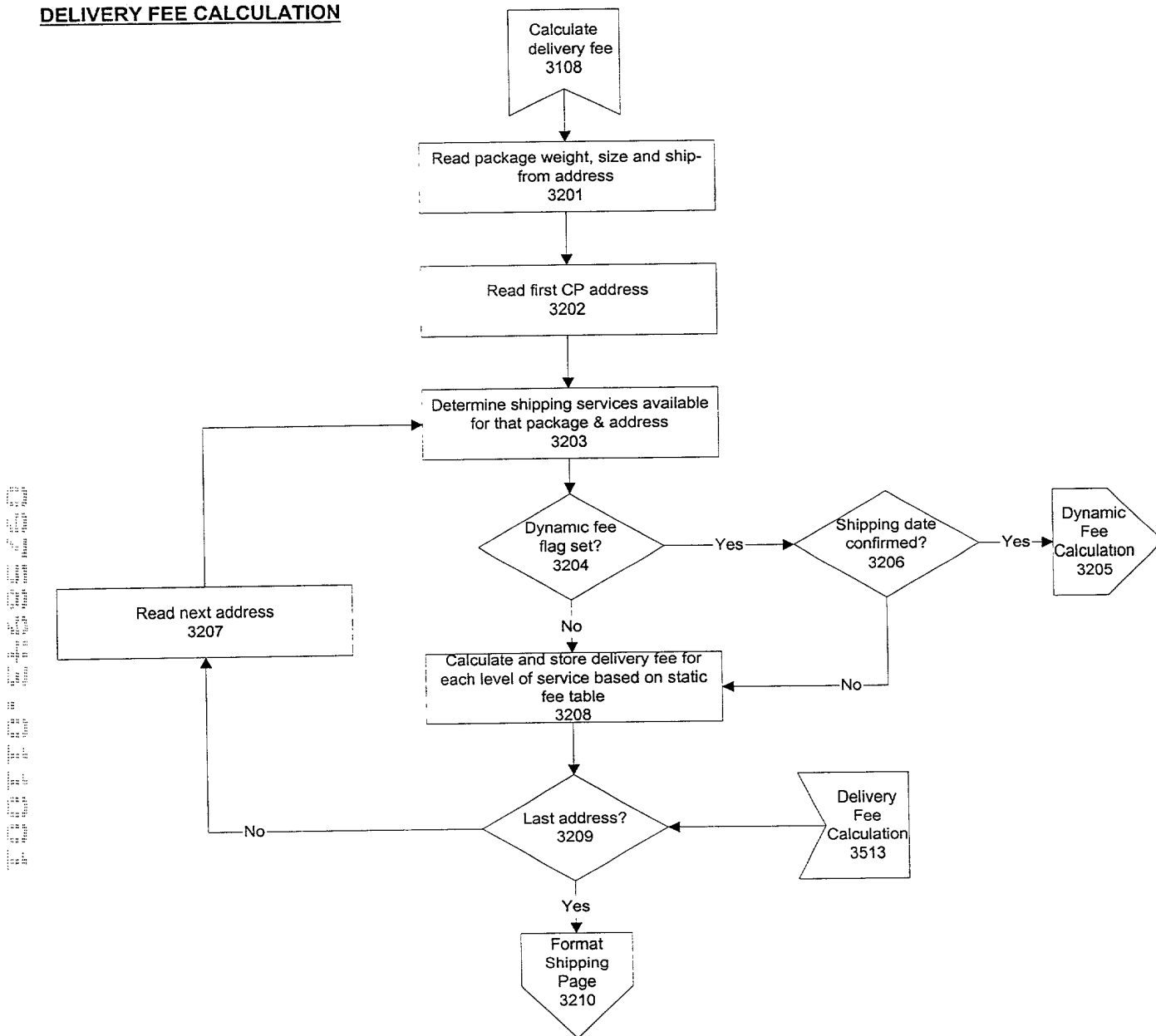


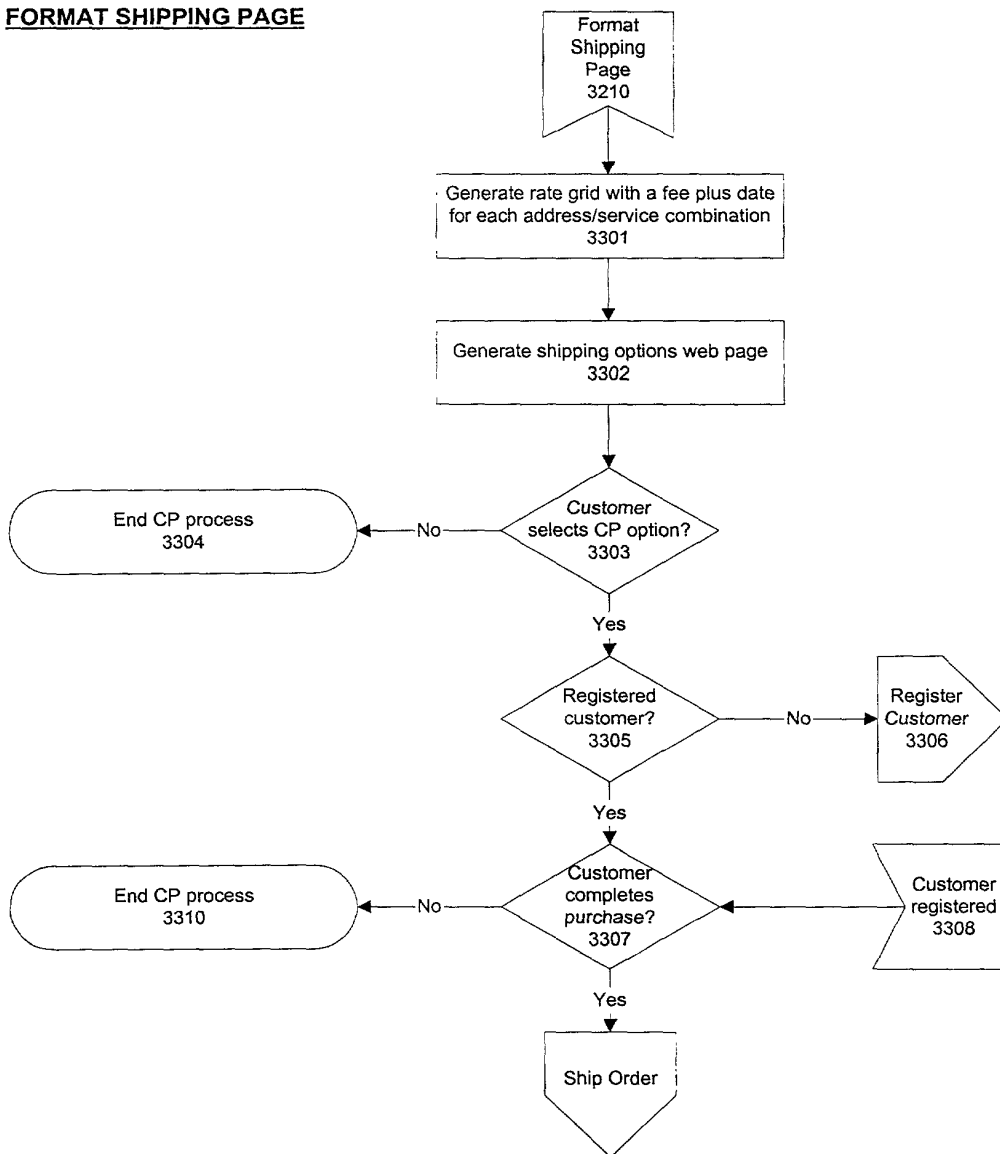
FIG. 31

# DELIVERY FEE CALCULATION



**FIG. 32**

# **FORMAT SHIPPING PAGE**



**FIG. 33**

## CUSTOMER REGISTRATION

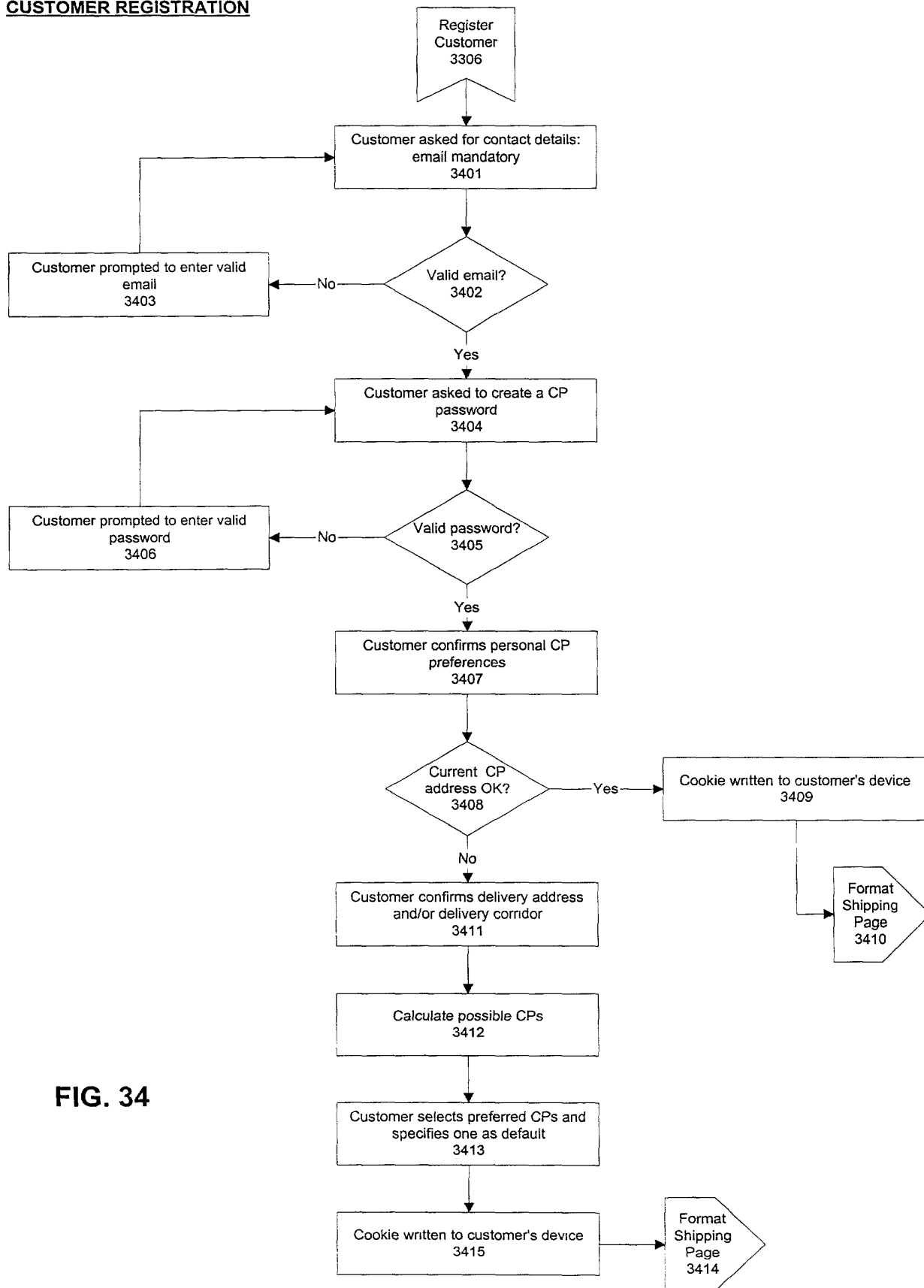


FIG. 34

## DYNAMIC FEE CALCULATION

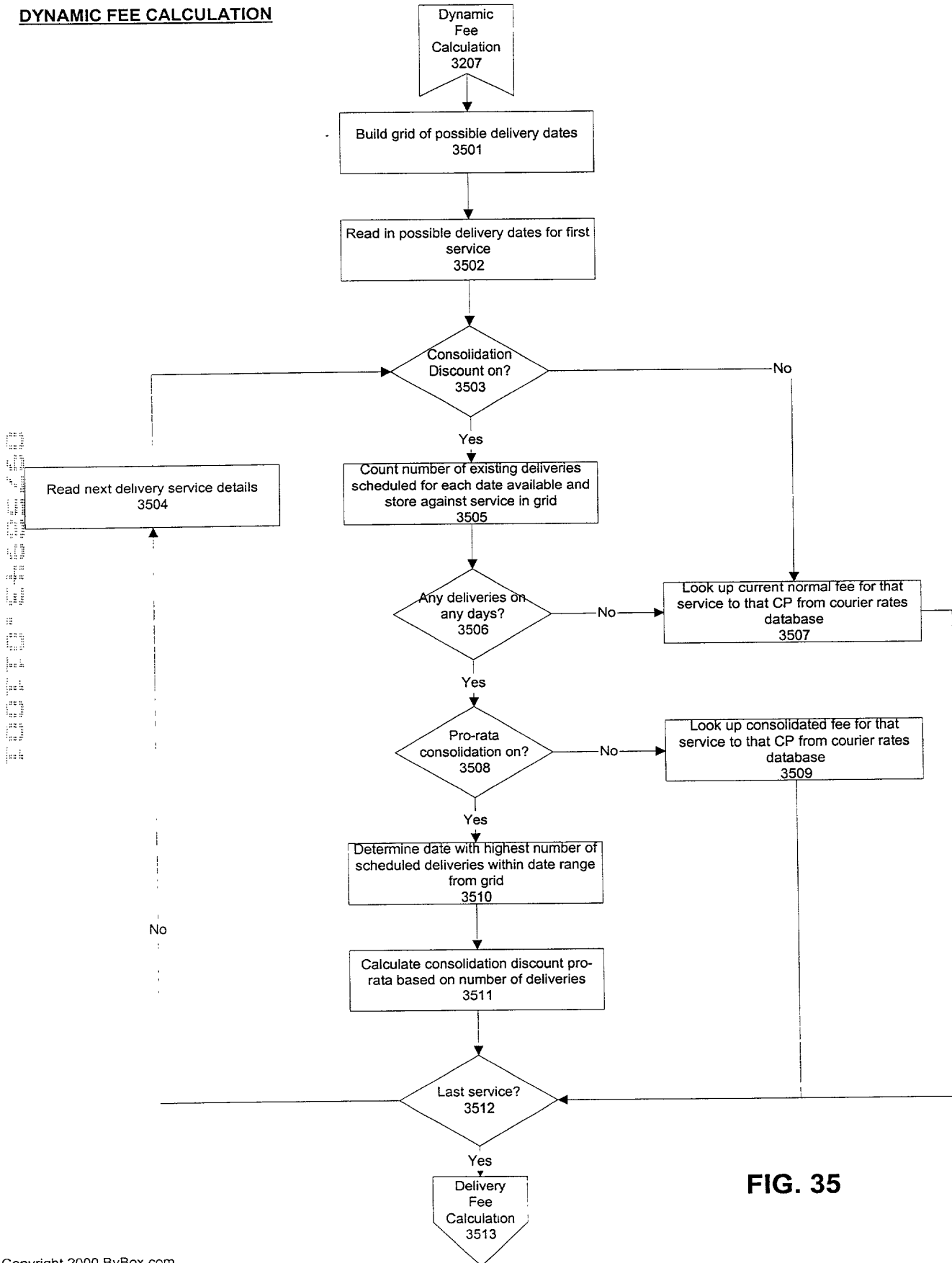


FIG. 35



## SHIP ORDER

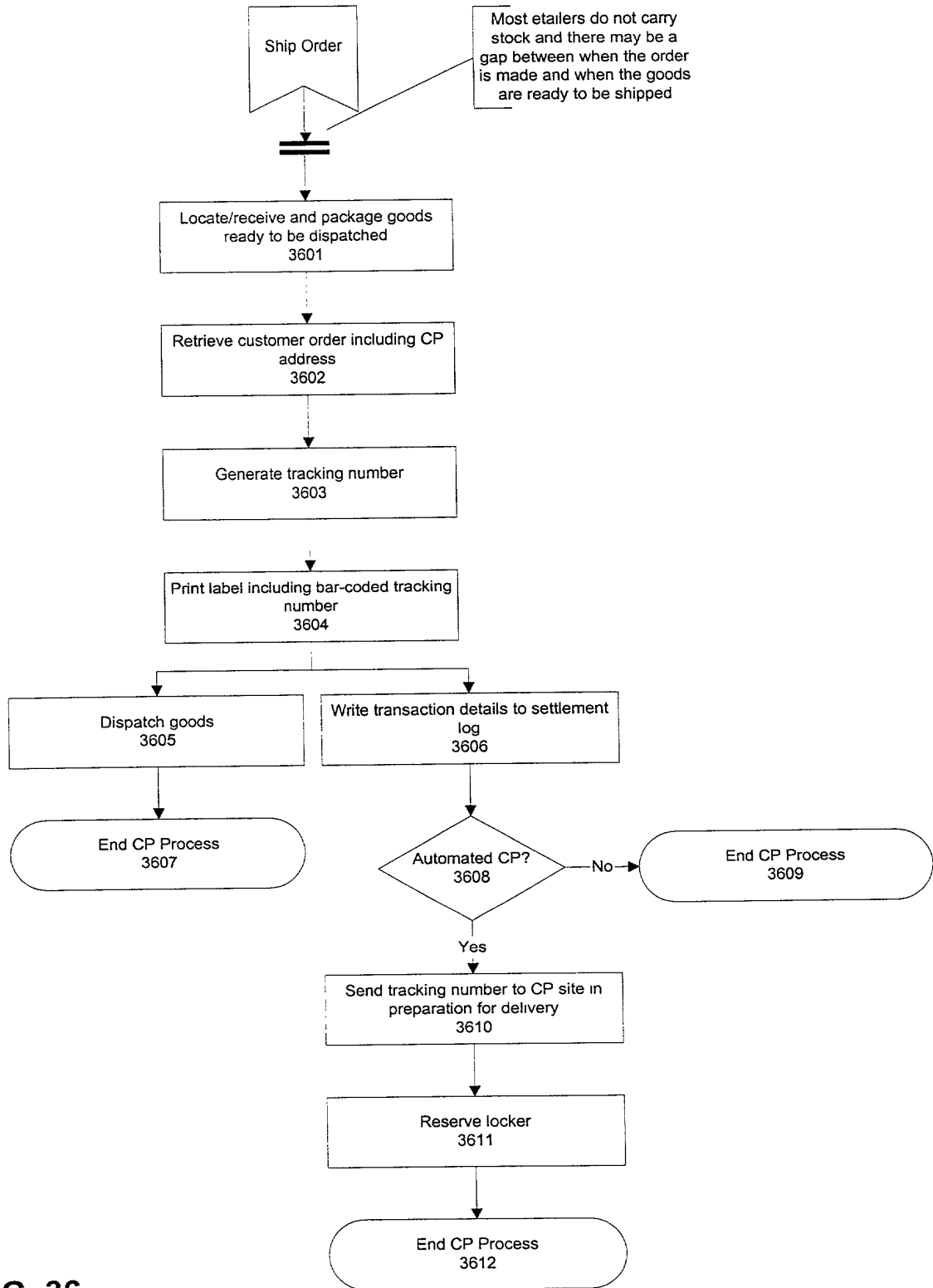


FIG. 36

## SETTLEMENT

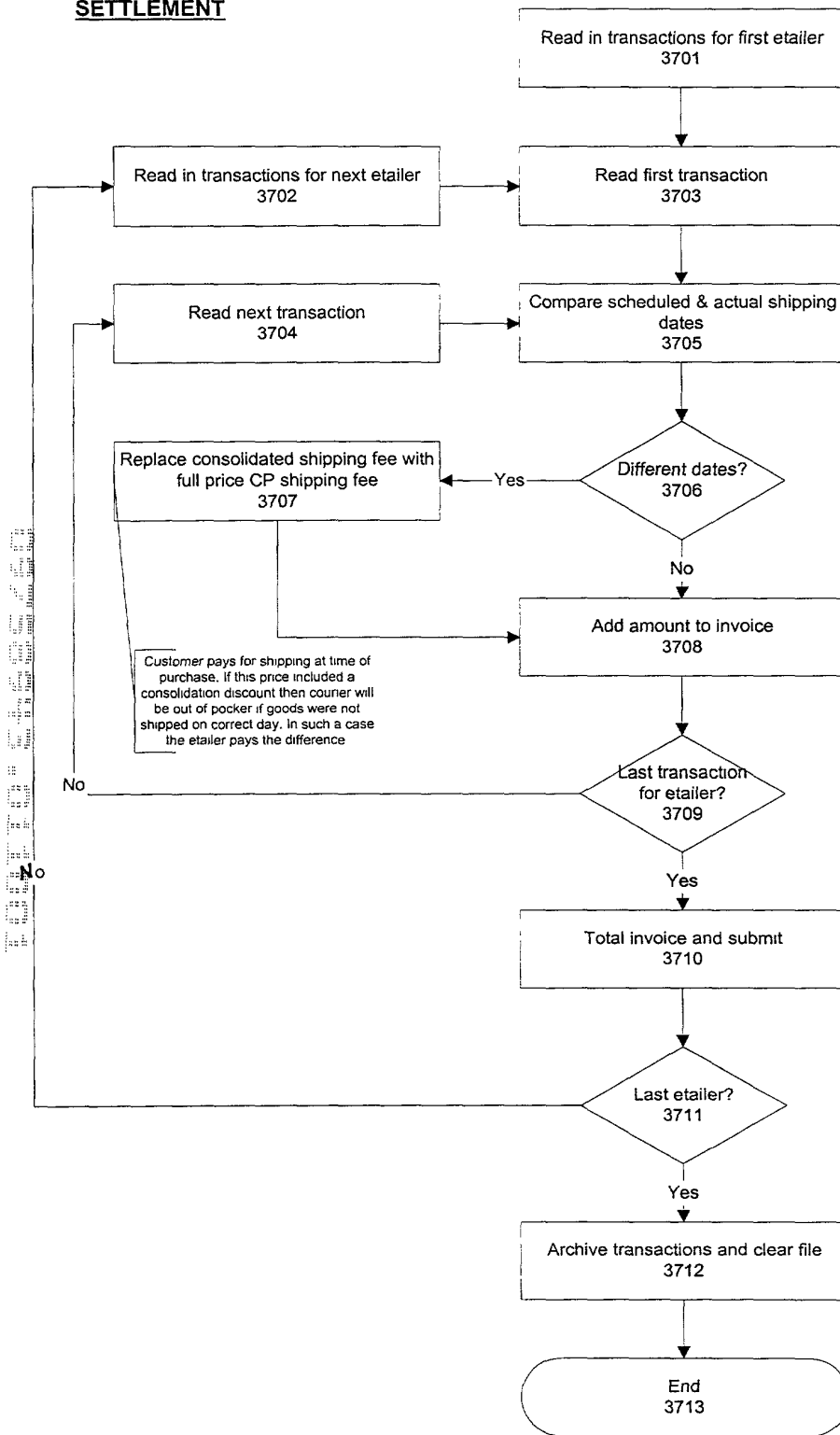
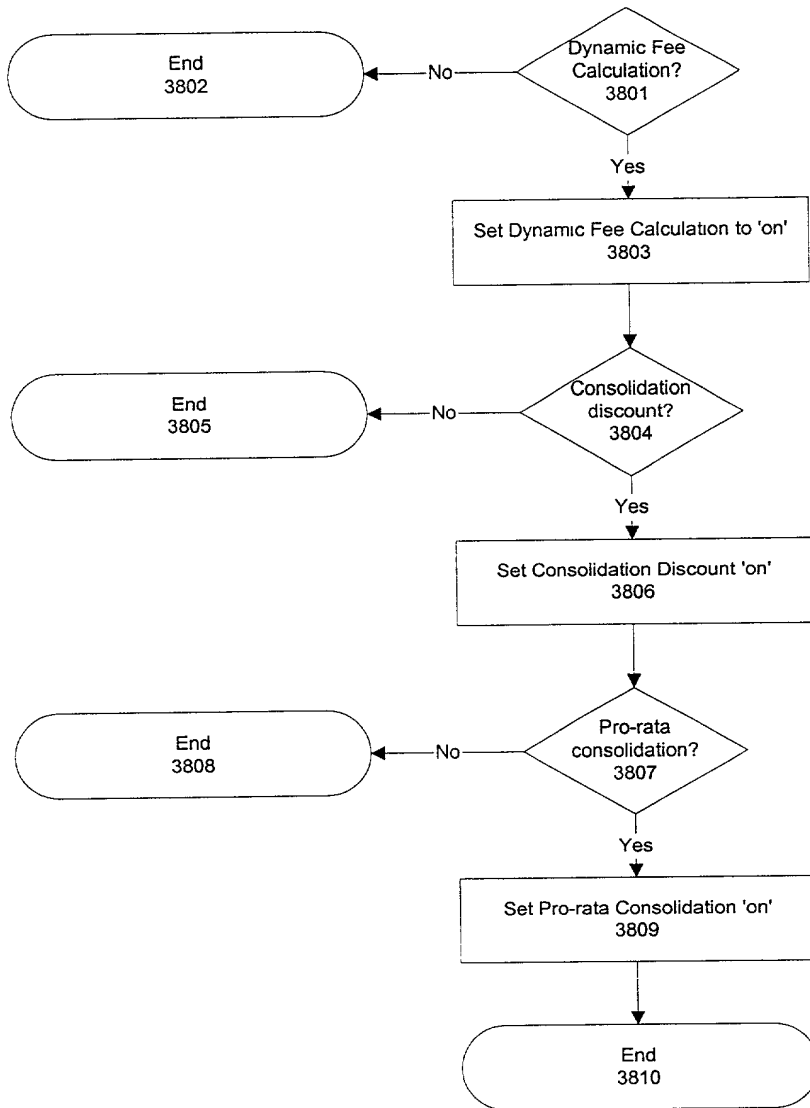


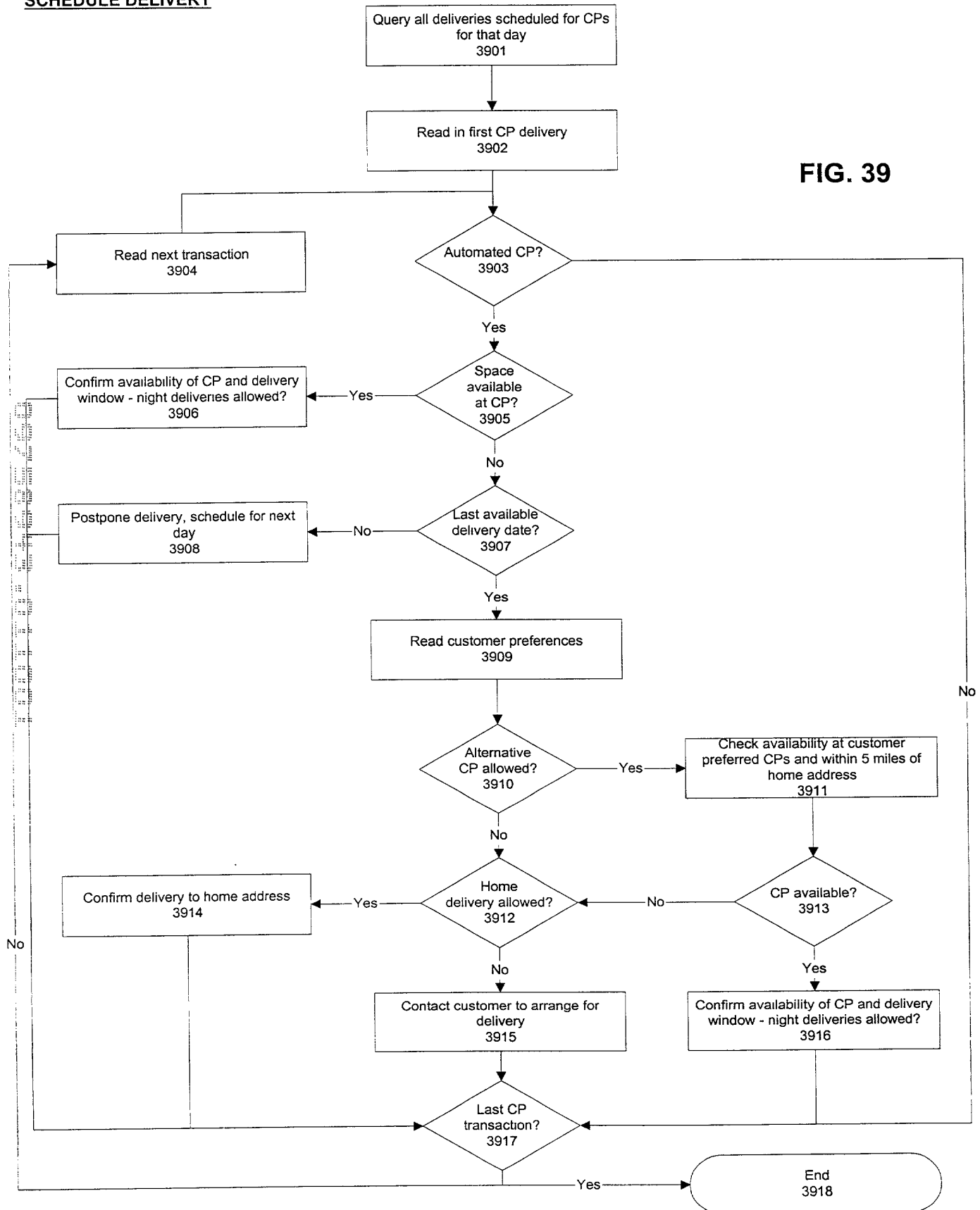
FIG. 37

## SYSTEM PARAMETERS



**FIG. 38**

## SCHEDULE DELIVERY



## REDIRECT: HOME TO CP

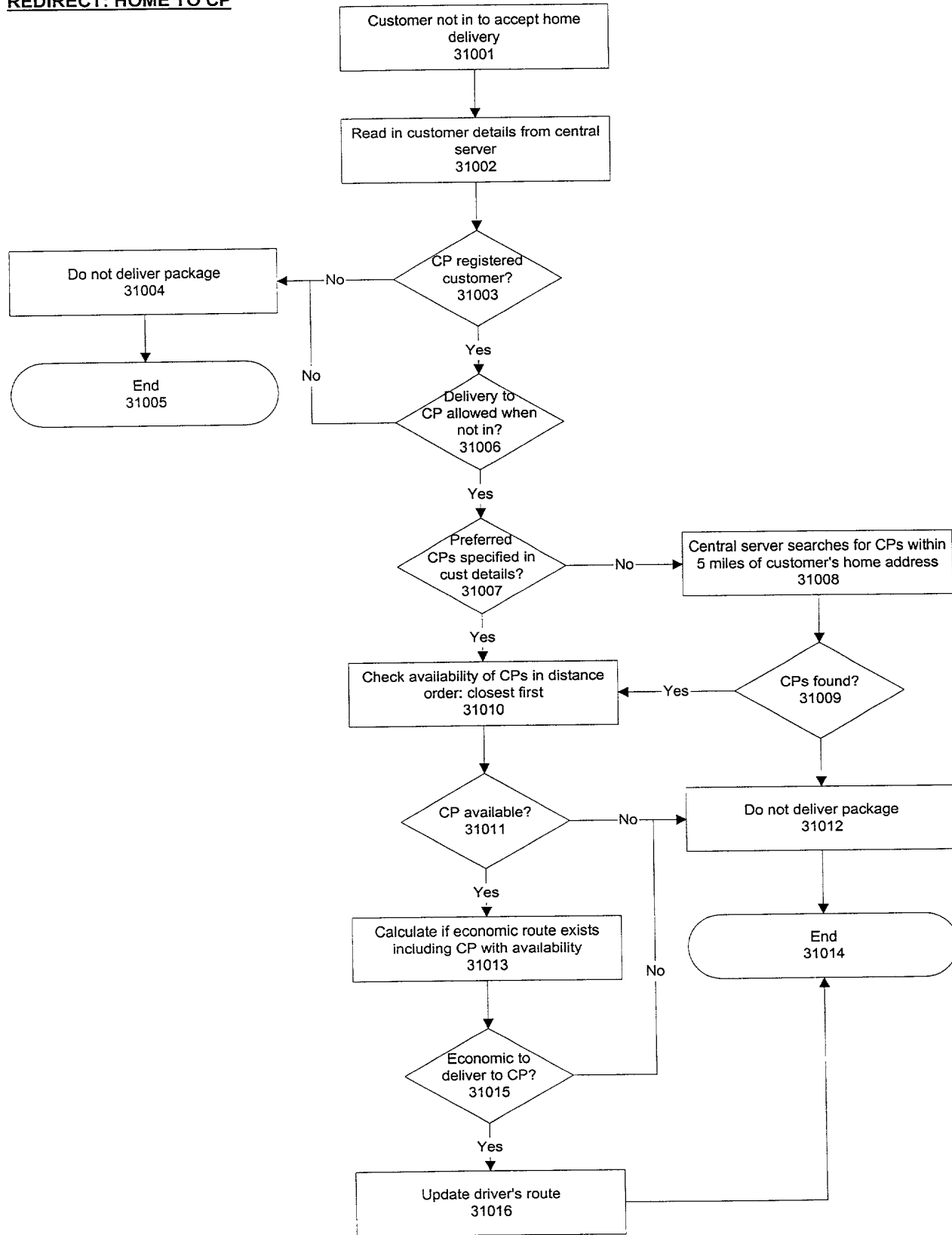


FIG. 40